# e Mining Ionmal,

RAILWAY GAZETTE:

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 974-Vol. XXIV.

LONDON, SATURDAY, APRIL 22, 1854.

PRICE 6d.

R. JAMES CROFTS, MINING BROKER, No. 1, FINCH LANE, CORNHILL, LONDON. TRANSACTS BUSINESS, both in BUYING and SELLING

fr. Chorrs recommends capitalists not to be unduly alarmed as to the value of disend and other good mining property; the effect of war upon all mines producing s must be to raise the value of the shares in proportion to the advancing value of the shares in proportion to the advancing value of the shares in proportion to the advancing value of the shares in proportion to the advancing value of the shares in proportion to the advancing value of the shares in the shares of the shares in the shares of the

TR. JAMES LANE, No. 33, THREADNEEDLE STREET, is prepared to TRANSACT BUSINESS in—
red Consols dired United blor Great Wheal Alfred, Molland Great Wheal Hugo Herodafoot North Downs North Downs North Downs Wheal Glore Herodafoot Russell kenneggy Ludeott Penman Wheal Glore St Crimis Lackanore Polltimore Wheal Gill Union Tin Wheal Golden

NGLISH AND FOREIGN STOCK, SHARE, AND MINING
OFFICES, No. 3, OLD BROAD STREET, LONDON.

Mr. PETER WATSON will at all times give the best information (having been in siness nine years); and also EUY and SELL SHARES on the usual commission.

R. W. LEMON OLIVER, STOCK AND SHAREBROKER,
Business transacted in every description of British and Foreign Mines.

INING INVESTMENTS .- JOHN R. PIKE, grateful for the INING INVESTMENTS.—JOHN R. PIKE, grateful for the support accorded to him by his very numerous connection, is desirous of ing attention to the present most FAVOURABLE JTMCTURE for the FURASE of MINING PROPERTY. From political causes, a great depreciation has no place, and prices have been depressed to an extent which may fairly be chaterised as absurd. A re-action must, ere long, occur, and intending purchasers, therefore, do well to make their investments without delay. Jours R. Firk, ing long resided in Redruth, Cornwall, the heart of the mining district, has natify acquired a correct judgment as to the relative value of various undertakings, he same time that he has access to peculiar sources of information. burchases or Sales in English and Poreign Mining Shares effected on the best poste terms for the usual commission.

outh Sea Chambers, Threadneodic-atreet, April 21, 1854.

R. CAREY, MINING AGENT, TRANSACTS BUSINESS in BRF18H and FOREIGN MINES, in INSURANCE, BANKING, and KAIL-YSHARES, at the closest prices of the day.

CARRY has POR SALE SHARES in DIVIDEND-PAYING MINES, which, it at present low prices, will pay from 20 to 30 per cent. And SHARES in good GRESSING MINES, with their machinery complete, and raising ores:—Hing. Down, North Downs, St. Day United, East Caradon, Caylan, Tamar, Sortridge ois, Clew Bay, Molland, Combunatin, Porran Silver-lead, &c. Moorgate-street, City, April 21, 1854.

R. G. R. H. CARNE begs to inform the public, that he has SHARES
FOR SALE in the following MINES, at the current prices of the day:

Bosoru (free)
Abraham
Abra

H. Carsa bage to inform the public, that he TRANSACTS BUSINESS or ISSION ONLY, consequently parties favouring him with any orders may rely ISSION ONLY, consequently parti-ing the full market price of the day non-lane, Cornhill, April 21, 1854.

ESSRS. KENWORTHY AND CO., MINING BROKERS, S. OLD BROAD STREET, LONDON, continue to BUY and SELL ON MISSION BRITISH and FOREIGN MINING SMARES, and have at the prepriod SPECIAL BUSINESS in the following:

maked Cossols

Lelant
North Down
North Down
North Buller
North Huller
North Town
North Buller
North Town
North Huller
North Huller
North Town
North Huller
North Huller
North Town
North Huller
North H

Offices of the Cuddra Copper and Silver-lead Mine.

R. BRENCHLEY HAS FOR SALE the following SHARES, at RENCHLET HAS FOR SALE the following SHARES, at LOW PRICES; and suggests to those who seek a profitable investment, present obportunity, arising from the depressed value of this descriptly, in pass without taking advantage of it. Amongst the following are agon which heavy calls have recently been paid; the shares can be purtied more than the value of the materials; and to those, as well as to rome calls, the flarescaler, from their prospects of mineral wealth, undirects attendent, and will be happy to furnish every information upon pilication, of other wise:

on, and will be happy to furm to the wise :— happy to North Robert. 50 N, Brit. Burra Burra, 7s. 1 Found Carndon. 10 South Tamar. 20 Sortridge Consols. 10 St. Aubur and Grylls. 15 Treweaths. 2 Trelease. 6 Tremsyne.
100 Tamar Maria.
10 Wheal Golden.
10 Wheal Golden.
5 Wheat Gill.
10 Wheal Lemon.
10 West Affred.
100 West Sortridge.
2 Wheal Arthur.
15 West Wheal Alfred.

ie, San Fernando, Monarch Goid, East Tamar, South Tamar, Bell ork and Waterford Sailroad Sharce. ADVANCES MADE for limited periods, &c. Old Broad-street, April 21, 1854.

GOULD SHARP, No. 32, POULTRY, LONDON, or SELL SHARES in the following MINES:

wing SHARES FOR SALE at the QUOTED PRICES : 20 Kirkoudhright, 21 17a. 50 Tamar Maria, 7a. 50 Molland, 6a. 20 Tremoliett Down, 140 North Tamar, 2s. 6d. 50 Perran Silver-lead, 2s. 70 Wheal James, 8s. 20 Phoenix Coma, 1s. 50 Wheal Prockter. ursdon Manor, 6s.

100 Perran Silver-lead, 2s.

70 Wheal James, 8s.

100 Perran Silver-lead, 2s.

70 Wheal James, 8s.

100 Perran Silver-lead, 2s.

70 Wheal James, 8s.

100 Perran Silver-lead, 2s.

70 Wheal Prockter, 10s.

IN IN G SHARES placed in CAPT. JAMES'S HANDS for DMMDIATE DISPOSAL:

IN IN G SHARES placed in CAPT. JAMES'S HANDS for DMMDIATE DISPOSAL:

Seed State, 5.

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WHEAL MESSER.—Mr. W. CHARLES HAS SHARES FOR SALE in the above valuable MINE; and also in the following important MINEs;—vin., Great East, Wheal Rose, Bodmin United, West Par Consols, Perran United, 100 Wheal Tehidy, East Caradon, Caylan, Cubert United, Wheal Pera, Perran Silver-lead, Koswick, Langford and Baring, Wheal Sedley, Albion Clay, Wrysans Slate, and others.

Mr. W. Garanna is a BUYKE in Marke Valley, Great Crimis, Union Tin, Yest Crimis, 50 South Carn Bres, and others.—27, Austinfriars, London, April 21, 1854.

MINING PROPERTY.—Mr. HERRON has SHARES in the best
DIVIDEND-PAYING MINES FOR SALE, and which will give the purdiager 15 to 20 per cent. for the outlay. Amongst others are the following:—
Carn Brea Alfred Consols
Wheal Seton South Basset
Treviskey West Basset
Treviskey West Basset
Treviskey West Basset
Treviskey Trehame
St. John del Rey
Mary Anne
Litted Mines
Little DIVIDEND-PAYING MINES FOR SALE, and which will give the purchaser 15 to 20 meets. for the outlay. Amongst others are the following :—
Caru Bress Alfred Console North Fool Free Steven Consols Wheel Steten South Basset Trelaway Imperial Brazillan Treveskey Wael Arthur West Basset Trelaway Trewsach Steten Wheel Arthur North Basset Trewsach Alten Cobre Meet Caradon United Mines And has also FOR SALE SHARES in MINES baving a PROMISING APPEARANCE, and affording greater range for speculation, such as Molland Stray Park Wheel Uny Glimar Thorott Halamanning Creat Alfred Speedwell Tunner Consols Teleigh North Damsel Gramar Consols Teleigh North Damsel East Tamar North Downs Morth Downs Grambl. & St. Aubyn Garteg Mining offices, 33, Clement's-lane, Lombard-street.

UBLIC SECURITIES FOR INVESTMENT.—Political events, such as have not been experienced for the last 40 years, must affect the stability of the Government Funds, and subject them to fluctuations of more than ordinary violences. Railway companies have raised, on Joan, capital amounting in the aggregate to sixty millions, portions of which are continuously falling due, and in time of war can only be renewed upon terms which will absorb a large umount of profits. It is also now certain that a further considerable outlaw, to the extent of at least three millions, is required for additional rolling stock. This expenditure, if properly paid from traffic receipts, would interfore with the maintenance of dividends, it is therefore proposed to raise the money by the creation of new capital. Thus the capital accounts, which in good faith should be closed, are to be re-opened, and public confidence in railway property's, not without reason, disturbed. ENGLISH DIVIDIENTI-PAYING MINES, to which attention is becoming more and more directed, are FREE from THESE OBJECTIONS. They have no loans to renew, or debts to pay, but are clear from liabilities, and divide their profits usually either every two or three months; the total dividends last year on 00 English Mines amounted to £31,000. Wheal Buller paid dividends last year on 00 English Mines amounted to £31,000. Wheal Buller paid dividends regularly, will return purchasers at present prices from £35 per share; South Caradon £41 per share; South Saradon and Alfred Consols £4 1s, per share; These and other mines of equally good character, paying dividends regularly, will return purchasers at present prices from £55 to £25 per cent. per annum, and as the effect of war will be to enhance the value of metals, dividend mines will escape the injury which all other securities will more or less suffer. The undersigned have ESTABLISHED AGENTS in all the principal MINING DISTRICTS, and, therefore, comman DUBLIC SECURITIES FOR INVESTMENT .- Political events, nost promptitude, and upon the best possible terms.

JAMES S. TRIPP and CO., 33, Clement's-lane, Lombard-street. Established 1859.

MESS. TRIPP and CO., 33, Clement's-lane, Lombard-street. Established 1839.

MESSRS. POWELL AND COOKE, MINING AGENTS, No. 1, CROWN COURT, THREADNEEDLE STREET, LONDON, beg respectfully to inform capitalists, the present time offers unusual FAVOURABLE OPPORTUNITIES for INVESTMENT in BRITISH MINES, particularly some of those in which gold has been discovered, as doubtless a considerable advance will take place in the price of those shares as soon as efficient machinery can be procured to extract the precious metal. Mining property, either dividend or progressive, if judiciously selected, seldom fails to prove remunerative.

Messrs. Powerl. and Cooke will feel much pleasure in assisting parties to such selections, feeling confident of giving satisfaction to those with whose confidence they may be intrusted. Mines inspected, and reports furnished, on the usual terms, by competent agents, in Devon, Cornwall, and Wales.

Bankers—Commercial Bank of London, Lothbury.

MR. B. LAMBERT TENDERS HIS SERVICE to PARTIES
SEEKING INVESTMENT in MINING PROPERTY. His object will be
not only to obtain but to secure support, by the soundness of his information and the
bona fide character of the undertaking to which he will direct attention.—Reference
to persons of the highest respectability in the City.—Office, 29, Austinfriars.

Mr. JOSEPH JAMES REINGLINGS STREET.
21, THREADNEEDLE STREET.
Mr. REYNOLDS has BUSINESS TO TRANSACT in the following MINES:—
Business and Min. Co. Wellington R. JOSEPH JAMES REYNOLDS, STOCK & SHAREBROKER

21, THREADNEEDLE STREET.
has BUSINESS TO TRANSACT in the following MINES:—
East Wheal Roseth
East Wheal Rose Pening Court
East Wheal Russell
Eagair Lice Perran (alver-lead)
Eagair Lice Perran St. George
Four Dargue (Cum.)
Form Dargue (Cum.)
Form Cabres
Garreg
Gawron United
Gollmar
Gonamens
Grandbl. & St. Aubyn
Great Beam
Great Beam
Great Pineniz Cons.
Great Pineniz Cons.
Great Pineniz Cons.
Great Wheal Airred
Great Wheal Airred
Great Wheal Airred
Great Wheal Airred
Great Wheal Tortune
South Carn Brea
Great Wheal Tortune
South Carn Brea
Great Wheal Tortune
South Carn Brea
Great Wheal Tortune
South Condurrow
Great Wheal Airred
Great Wheal Tortune
South Frances
Great Wheal Tortune
South Torgus
West Sheba
West Treusury
West Treusury
West Treusury
West Treusury
West Treusury
West Wheal Alfred
West Wheal Russell
West Wheal Alfred
West Wheal Russell
West Stray Park
West Providence
West Russell
West Parlington
West Par Grambi, & St. Aubyn
Great Beam
Great Beam
Great Bryn
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Great Phonix Cons.
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Great Wheal Fortune
Great Wheal Fortune
Halamanning
Havon & Hentilweh
Havon & Hentilweh
Havon & Hentilweh
Herodefoot Boscean | Botallack Bottle Hill | Brewer Bridford Consols BritanniaGold&Cop. Carn Brea Carsons Creek Carvannall Castle Dinas Cathedral Herodefoot
Irish Con. Mining Co.
Kenneggy
Kilbricken
Leeds and St. Aubyn
Leeds Town Consols
Lelant Consols Chiverton Clive | Colon Combmartin Co Comford Condurrow Coniston Unite Cook's Kitchen

South-West Phomix South Wheal Basset South Wheal Rosel South Wheal Russell Spearne Consols Speare Consols St. Aubyn & Grylla St. Day United St. Ive's Consols Stoke Climsland Con. Stray Park Swanpool Tavy Consols Tees Side Terthery Thomas's United Trannack & Bosence Leiant Consols
Levant
Lewns
Livant
Livant
Little Duke
Marke Valley
Mary Ann
Mendip Hills
Merllyn
Mill Pool Mixon
Molland Mostyn
Namesrolland
Mostyn
Namesrolland Crow Hin , Cupid Cwm Darren Cwm Erfin Dalrhiew | Darren Devon Burra Burr a Cons. Nort Nansegolla: Nantile Val

Dyfngwin East Alfred Consols

Red. Dragon Rix Hill Round Hill (Salop) Silver Valley Sourton Consols South Carn Brea South Carn Brea South Carn Brea South Fances South of Scotland South Tonacs South Tolgus South Tolgus South West Phomix South West Phomix South West Phomix Weston
Wiscol Augusta
Whosi Augusta
Whosi Buller
Whosi Catherine
Whosi Catherine
Whosi Carpenter
Whosi Carpenter
Whosi Conford
Whosi Clifford
Whosi Clifford
Whosi Clifford
Whosi Glien
Whosi Glien
Whosi Glien
Whosi Fatwork
Whosi James
Whosi Perkir
Whosi Robin
Whosi Robin
Whosi Robin
Whosi Storn
Whosi Squire
Whosi Trebarvah

And SHARES FOR SALE in the West Cornwall Railway.

The present period offers to capitalists an opportunity which tarely occurs for PURCHASING in DIVIDEND-PAYING MINES, as well as in PROGRESSIVE MINES, the former paying dividends not less than 15 per cent, and the latter by a considerable increase of profit on the improved value of the property. Mr. J. J. Rev. No.100 is at all times in a position to FURNISH the most ACCURATE INFORMATION for the guidance of capitalists, and to effect PURCHASES or SALES on stock of every description, upon the best possible terms, on the usual commission.

Mines inspected by agents of experience and high respectability in any part of the kingdom within the shortest notice.—April 21, 1854.

GEORGE MOORE HAS FOR SALE TO-DAY the following

20 Wheal Russell, £2½. 10 Wheal Zion, £2½. 20 Wh. Kitty (St. Agnes), £1½. 5 Wheal Uny, £10½.

PENLLYNE COURT.—TWO HUNDRED AND FIFTY SHARES for any part) FOR SALE.—G. MOORE, \$2, Nicholas-lane, Lombard-street

MINING SHARES.—Mr. GEORGE SPRATLEY HAS FOR NING SHARES.—Mr. GEORGE SPRAILET HAS FOR SALE, at LOWER PRICES than hitherto quoted: "=60 Combinartio, 50 Cwmheisian (Gold), 50 Hawkmoor, 2 Halamanning. And is a BUYER of from 10 to 160 Foltimore, 160 South Devon, and 10 Alfred Consols. Persons wishing to do business in the above will please state the number and lowest, price for immediate cash.—2, Winchester-buildings, London.

MR. JOSEPH WM. OLIVER, No. 75, OLD BROAD STREET,

Poltimore Sortridge Consols West Sortridge Old Robert Wheal Wrey North Trelawny Freweatha Alfred Consols Great Alfred

N.B. Parties having any of the above to dispose of, are requested to specify the imber of shares and lowest price for immediate cash.

TO RAILWAY COMPANIES, CONTRACTORS, &c LAWRIE AND CO., COUSIN LANE, UPPER THAMES STREET, supply, RAILWAY CHAIRS and SLEEPERS, FISHING PIECES, BOLTS and NUTS, SPIKES and TIE BARS, COLUMNS, GIRDERS, SOCKET PIPES, and all kinds of IRON CASTING. Also, HENDERSON'S PATENT DERRICK CRANES.

COBALT AND NICKEL.—ALFRED SENIOR MERRY, REFINER AND PURCHASER OF COBALT AND NICKEL ORES, NR ASSAYER IN GENERAL.—Address, LEE CRESCENT, BIRMINGHAM.

BEOTSON BROTHERS AND CO., SHEFFIELD, STEEL AND FILE WORKS; also COMMISSION MERCHANTS for the SALE and PURCHASE of every description of MACHINES and MACHINERY, and every article used by engineers, too numerous to enumerate in an advertisement.

MR. THOMAS EDINGTON, IRON MERCHANT AND CON-TRACTOR, INSPECTOR OF RAILWAY BARS and CASTINGS, No. 17.

MONEY.—SUMS HELD IN TRUST TO LEND.—PARTIES requiring TEMPORARY ACCOMMODATION upon any description of real property, or upon a deposit of English, Foreign, Railway, or Mining Shares, may have ADVANCES in any sum from \$200 to £5000, for periods of not less than three, and not exceeding twelve months. The promissory notes of noblemen, gentlemen, elergymen, and officers on full pay, of known fortune, and hoirs to entailed estates, also discounted.—Applications from principals, or their solicitors, only notified; and communications by letter (pre-paid), stating all particulars, as no personal application will be entertained, addressed to Mr. Jaws Woop, 66, Cheapside, will receive immediate attention.—N.B. Australian or Californian Gold Mining Shares purchased or exchanged for wines or manufactured goods.

BERGWESSIN MINE, aituate in the parish of Llandovery, in the county of Brecon, South Wales.—ONE THIRD of the above valuable D and COPPER MINE FOR SALE, with all ORES, TACKLES, and MACHI-ty, thereunto the above share belonging.—To treat for the same, address "Wylling Journal office, 26, Fieet-street, London.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENGLAND, IRELAND, SCOTLAND, or WALES. No objection to take the management of any mine or mines in the neighbourhood of Tavistock.

MR. TYACK, MINE BROKER, CAMBORNE, from his situation in the best mining district in the county, together with his daily opportunities of increased experience, is well adapted to GIVE ADVICE to CAPITALISTS disposed to invest in MINING; considering the present time, a good and favourable opportunity to invest. Mines inspected by the most experienced agents.

MESSRS. HENWOOD AND CO., MINE AGENTS AND SURVEYORS, LEEDS, OFFER THEIR SERVICES to parties embarking in MINING, and are prepared to give advice on all the leading speculations of the day. Offices of the Pencore Consols, Copper, Zinc, and Lead Mining Company, &c. Telegraph-yard, Leeds.

MINING OFFICES, PENZANCE.—Mr. T. W. SOADY, MINE BROKER, has mostly FOR SALE SHARES in the best DUVIDEND MINES in the county :--viz. Botallack, Wheai Buller, Wheai Owles, Wheai Basset, Wheai Margaret, Bosecan, Levant, South Francis, &c.—Penzance, Cornwall.

M. R. G. GIDLEY, TORQUAY, DEVON, is PREPARED to TRANSACT BUSINESS in Bedford United, South Tamar, Trewetha, Great Wheel Vor, Hennock, Trevenen, Ivy Tor, South-West Phoenix, Combinartin, Devon Tin Mine, Drewsteignton, South Tawton Consols, Silver Brook, East Tamar, Weel Exmouth and Adams, and other mines.

MR. E. S. BOYNS, AUCTIONEER, MINING, AND SHARE-BROKER, GENERAL AGENT, &c., PENZANCE, CORNWALL. 344

RICHARD HAWKE, MINE SHAREBROKER, LISKEARD, CORNWALL.

MESSRS. HARRISON AND BRERETON, MINING BROKERS, 32, CASTLE STREET, LIVERPOOL. ESSRS. F. W. CROKER AND CO., STOCK AND SHARE BROKERS, PLYMOUTH.

W. H. BRUMBY, STOCK AND SHAREBROKER

W. BEACHCROFT, MINING AGENT, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON /// MR. E. GOMPERS, MINING SHARE DEALER, 98, GRACECHURCH STREET, LONDON. ///

GENERAL MINE AGENCY OFFICES,
3, NAG'S HEAD COURT, GRACECHURCH STREET.
ST. PIERRE FOLEY, C. and M.E., Assisted by emineut Mining Engineers//2
Private address, 19, Gibson-square, Islington, London.

South Wh. Frances Afred Consols Higgston Down Con. North Trelawny South Tamar Wheal Mary Ann Wheal Mary Ann Trehane Trehane Trehane Trehane Trehane Wheal Trelawny North Rockear Trehane Treha

NINING INVESTMENT:—T. FULLER AND CO., 51, THREADDINING INVESTMENT:—T. FULLER AND CO., 51, THREADDOFINITY Of INVESTING in BRITISH MINES, particularly in those dividing their
profits every two or three months, which average tron 15 to 30 per cent, with every
and other securities; and respectfully direct attention to the PURCHASE of SHARES
in many PROGRESSIVE MINES, being in full operation, with efficient machinery,
sho, for the development and bringing the same into a produble state of working,
which, at present prices, cannot fail to remunerate all who invest; a careful selection
of such along can be obtained by a daily communication with agents of high soferation
and practical experience of the principal mines in Devon, Cornwall, and Wales.

T. Yuntin and Co. will furnish every information to capitalists, either personally
or by letter, and can effect purchases or sales of every description.

# Original Correspondente.

# THE SMOKE NUISANCE ABATED.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,-Observing that you propose giving the discussion, on the 11th inst., on my paper read at the Institution of Civil Engineers, I beg you to accompany it with the following explanatory remarks. Letters were read from Mr. Fairbairn, of Manchester, and Mr. Muir, of Glasgow. Mr. Fairbairn, while he liberally did justice to the successful efforts made by me on the subject of combustion in furnaces (not in the Prideaux style, as exhibited in a late correspondence in your Journal, but in the terms of a gentleman and scientific enquirer), submitted the point on which we differed—namely, the area of permanent aperture for the admission of the differed—namely, the area of permanent aperture for the admission of the air to the gases in the furnace chamber. In Mr. Pairbairn's letter, then read, he submits that one square inch of permanent aperture for each square foot of furnace would be sufficient. I pointed out, that to allow the 100,000 cubic feet of air required for the 10,000 cubic feet of gas generated from each ton of coals to find admission, from four to six square inches for each square foot of grate surface was absolutely required, according to the gas-generative quality of the coal, and the extent of draught. I showed that a lesser area would be physically inadequate to the admission of so enormous a volume of air, unless it entered with a velocity four to five times greater than practice showed to be the case. On this point, I stated, the great mistake of engineers rested; and further, that not only were they indifferent as to the quantity, but to the mode of introducing it; yet that the one was just as essential as the other, and that unless both were correct perfect combustion could not take place.

I further pointed out, that the only test by which either could be ascertained, or proved, was the pyrometer. The admirable one invented by Mr. Houldsworth, of Manchester, I then had on the table, and by the aid of the mere flame from a spirit lamp showed how sensitive and accurate it was in its action. I pointed out that the mere colour of the products issuing from the chimney was not only a fallacious, but a very erroneous test. I then observed on the absence of such a test from the numerous reports of the action of different patent and other furnaces; and that even the furnace used in the parliamentary enquiry was without such a test, and therefore wholly unworthy of reliance.

Mr. Muir's letter stated, that too much was said about the chemical part of the question, and that it thereby became complicated. No doubt that was the case with those who, like the country justice, did not like to hear both sides of a question, as it made an otherwi air to the gases in the furnace chamber. In Mr. Fairbairn's letter, then

objectors need not be replied to.

The models exhibited showed the simple manner in which the air could be effected—namely, by introducing it on the principle of the Argand gas-burner, by numerous small divisions, films, or jets; the object, and the only object in which human aid could be of any use, being the bringing the gas and the air into the most intimate mixture, and with the greatest rapidity.

Mr. Muir's letter broadly stated, that "the admission of air invariably diminished the evaporative power of the boiler." Strange assertion! The conclusive answer, however, to which is the following extract from Mr. Fairbairn's printed report of the result of many experiments made by Mr. Houldsworth, and which he had himself witnessed. (This report is now published by Weale, Holborn.) Mr. Fairbairn described the difference in the effect when the air passed through the bars alone, and when it was admitted as recommended by me.

He observes, that "on comparing the diagram (marked by the pyrometer) when no air was admitted from the ashpit, with the other with the admission of the air through a diffusion plate behind the bridge, as recommended by Mr. Williams, the former indicated a defective state of the process, and the disparity as to the difference of temperature was very great." He further states, that "in experiment No. 1, 5·05 lbs, of water were evaporated by the pound of coal, and in No. 2, one-half more, or 7·7 lbs., is the result." Mr. Fairbairn then (instead of feeling it "to be a duty he owed to the public to caution them against this scheme of Mr. C. W. Williams") observes, with a truth-telling candour, that Mr. Houldsworth estimates the advantages gained by the admission of air (on Mr. Williams's plan), when properly regulated, at 35 per cent.

No more need be said, except to place the practical accuracy of Mr. Houldsworth, and the high standing and character of Mr. Fairbairn, in strong contrast with the efforts at detraction made by imitators, pretenders, and quacks.—London, April 18.

INSTITUTION OF CI

# INSTITUTION OF CIVIL ENGINEERS.

The meeting of members on the 11th inst. (Mr. James Simpson, president, in the nair) was entirely devoted to the discussion of the papers by Mr. J. Simpson, jun., and Mr. C. Wye Williams, "On the Management of Engine and other Furnaces, and

the Prevention of Smoke," which were published in last weck's Mining Journal,
An explanation was given (by Mr. C. W. Williams), by means of a diagram, of the
several divisions of the process leading to the combustion of the gas in furnaces. The several divisions of the process leading to the combustion of the gas in furnaces. The first division gave the mere relative gross bulk of gas and air required for combustion. In the second the mechanical mixture of the gas and air was described, such mixture, or contact of atoms, being essential to the subsequent chemical union. The third exhibited the several constituents of gas and air—the former being hydrogen and carbon; the latter oxygen and nitrogen; the relative volumes of each were given, and it was shown that ten volumes of air were absolutely essential to the combustion of one volume of gas. The fourth division showed the proportions in which those constituents combined. The nature of flame and smoke was examined; showing that the intense heat caused by the combustion of the hydrogen was the direct cause by which the temperature of the carbon was raised to that of white heat, which produced the luminosity of flame.

This process was illustrated by reference to the mode of producing the intense heat and luminosity required for the oxy-hydrogen microscope. In the latter the piece of lime, or carbon, on which the heat was projected, was instantly raised to the temperature of extreme luminosity, teither the lime, nor carbon, however, suffering rapid combustion. In the former the carbon of the gas was raised by the same means (the combustion of the hydrogen) to the high temperature, but could not suffer combustion until it was brought into contact, in its turn, with its equivalent of the oxygen of the air.

If however, that sumply of air was not provided before the carbon lost its high temperature, that sumply of air was not provided before the carbon lost its high temperature.

the air.

If, however, that supply of air was not provided before the carbon lost its high temrature, it returned to its previous and natural state of a black substance, and gave
e black character to the products called smoke.

The first important condition was then shown to be the providing the required
antity of air. Reference was then made to the area recommended by some authoties as being sufficient to allow the quantity to enter a furnace. It had been consired that even half a square inch of aperture for each square foot of furnace grate
s sufficient for the combustion of the fuel. This was, however (by Mr. Williams),
ted to be insufficient for practical purposes. The proper area for admission being
m 4 to 6 square inches for each foot of grate, according to the extent of draught
d the nature of the coal.

This serious difference was supposed to have been caused by an eroneous calculation.

rious difference was supposed to have been caused by an eroneous calculation to of the current of air entering. For if half a square inch of area was al allowed, the air must have a velocity ten times greater than could be shown been ever attained.

bare been ever attained.

Thus, supposing a furnace to be 4 ft, by 2 ft. 6 in., equal to 10 square feet of bar rface, this would effect a combustion of 2 cwts. of coal per hour, and require, for leg gas alone a supply of 10,000 cubic feet per hour, or for 20 cwts. of the coal 100,000 able feet. The following comparison of velocities of the entering air for the supply f the gas, gave some idea of the cause of underrating the required area of admission:

Air aperture per	Velocity of draught	Quantity of air	Quantity for each ton of coal,
square foot of grate.	per second.	per hour.	
6 square inches.	at 5 ft. per second.	7,500 cubic feet.	75,000
6 square inches.	at 10 ft. per second.	15,000 cubic feet.	159,000

Then, if the area were reduced to half a square inch, it would require a velocity of feet per second to provide for the admission, within the given time, of the neces-

so neet per second to provide for the admission, within the given time, of the necessary quantity.

By close observation, by means of an arometer, the velocity of the entering current was estimated at from 8 to 10 ft. per second, if the draught was good; and from 5 to 5 ft. when it was but moderate.

Again, it was observed, that by admitting the air in films through numerous thin divisions, the velocity was necessarily reduced, by mere friction through so many half-inch orifices, as were exhibited in the models and drawings on the table.

The mode of admitting the air by numerous small orifices, as practised by Mr. C. We Williams, was then considered, and it was shown that the great object to be effected whe the division of the division of the gas at any one moment than sections were prought into doubter with the atoms of the gas at any one moment than sections the division of the considered continuously as the gas and air came into consect. It have seen the division of the gas and air came into consect. It have seen, the air endeed in a body, or even in a flim, is targer quantities (thus could be fraken by 9the gas, before the temperature was lowered, a retrigeratory effect must be the consequence—moke would be formed, and fuel would be wasted. It was exerted (also by Mr. Williams) that the parase "burning smoke," was improved, magnitude as the spoke did not exist, until the gases had left the furnace; this magnitude as the spoke did not exist, until the gases had left the furnace; this magnitude as the spoke did not exist, until the gases had left the furnace; this magnitude as the spoke did not exist, until the gases had left the furnace; this magnitude as the spoke did not exist, until the gases had left the furnace; and finding in a speakl quantity of air, a jet of gas issued, which, on ignition at the orifice, was almost colouries, then merged into flame, and ultimately became opaque

ske. It was stated (in a letter then read), as an argument for the necessity for an stringent measure, with respect to the engine turnaces, in all large towns, that he last nine years, between 1845 and 1855, 301 new chimney-shafts have been coted in the metropolis, for manufactories, breweries, &c. Sume few of them might a been merely rebuilt, after destruction, but the large majority caused additional parity in the London atmosphere. From 1845 to 1851 the greatest simber built in year was 99; but in 1852, 1!1 were constructed, and in 1853 the number rous to 123, a was contended (in a letter from M. Muir, of Glasgow) that in dealing with the ske question too much stress had been laid on the chemical part of the subject, as one simple means the black; or howar visible spoke should be prevented from ming, or be consumed, if its formation was incidental to perfect combustion. The accessary to perform this could be admisted anywhere; either through a split size, by the firs-door, by an infinite number of beles, between plates with narrow cas, or by others arranged like Venetian blinds. Practically, the end could be attend by the mechanical systems of Juckes, Haseldine, Hall, and others, or by the systems of liliams, Prideaux, and many others. The objections alleged against all these plans of air invariably reduced the evaporative power, or caused waste of fuel, unless re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that when these latter re was a sharp draught, and spare bolier power; but that wh

were illustrated, and it was stated by Mr. Muir, that with ordinary boilers the admission of air invariably reduced the evaporative power, or caused waste of fuel, unless there was a sharp draught, and spare boiler power; but that when these latter requisites were secured, the air might be admitted in any way practically found most convenient.

The arrangement proposed by Mr. Prideaux was noticed also by Mr. Muir, as the most creditable mechanism yet brought forward, but its neatness was its only recommendation, as it could not improve the draught, nor could it aid in "burning smake" better than would be done by merely leaving the furance door ajar. The remarkable coincidence between the arrangement of the parelle plates in Prideaux's fire-door and that of Williams's well-known and long-practized system was also noticed. It being stated, in Mr. Prideaux treatize as fundamental principles, that in the former system "the door of the furance should be double, and the air should pass into the furance though a series of perforations in the inner plate. By this arrangement, three important results are secured.—1. The heating of the air.—2. Its sub-division into sissely jets. (This is the precise principle and operation of Air. Williams's Argana furance.]—3. The keeping of the outer surface of the furance-door comparatively wood, and thereby both economising heat and preventing its radiation outwardly, to the annoyance of the store of the past of the principle and operation of Air space provided, in that case, was I aquare inch to each square foot of grate area. The furance-boiler, whose action was stated to be very astisfactory; the proportion of air space provided, in that case, was I aquare inch to each square foot of grate area. The founds principles and operations of the bridge had been found prejudicial, and the system of admitting the supply of air through the perforations in the fire-door was generally preferred. The system of alternate fring, and of having ample boiler space and a good draught, was insisted u

# LIVERPOOL POLYTECHNIC SOCIETY.

At the last monthly meeting of this society, held at the Royal Institution (Mr.

Grantham in the chair), the subject proposed for consideration was the Prevention of Smoke.

Mr. A. Leighton proceeded to explain the theory of Mr. Prideaux for the prevention of smoke, illustrated by a model. The invention consisted of an apparatus to be affixed to the fire-doors of furnaces, with the view of regulating the admission of air. The front of the apparatus consists of a series of shatters, traversing in axes, so as to be capable of opening and shutting like Venetian blinds. Behind these moveable valves, or shutters, is a series of parallel plates, fixed at a slight angle; and then a second series, fixed at an opposite angle; and then a third and wider series of parallel plates, which do not incline, with air spaces between each series. By means of the alight inclination in opposite directions given to the first and second veries of plates, the direct radiation of heat from the fire outwards is prevented, although the air has free ingress, and the inclination being at an angle to the axis of the line of draught, has the further effect of causing the current of air slightly to impling upon the surface of the plates in its passage, by which means the heat is more effectually extracted. The self-closing of the shutters is effected by a lever, connected with a piston traversing a water cylinder, which piston, by means of a suitable valve, allows a free passage to the water from above to below, but resists its passage in the opposite direction, the motion being regulated by a screw.

The Secaratar offered some observations in reference to the merits of Mr. Prideaux's apparatus, in point of originality, which he did not consider to be great; and he read a letter from Mr. C. W. Williams to the chairman of the Polytechnie Society, in which he claimed the arrangement of the bars as the same, in principle with his Argand furnace.

Mr. Cors wished to put a question with reference to the time occupied in the descent of the piston which resulted the closine for the bars as the same.

n which he claimed the arrangements of the representation of the compared furnace.

Mr. Copy wished to put a question with reference to the time occupied in the decent of the piston which regulated the closing of the bars in front. He presumed, but when the regulator was once set it would not alter until reset; so that, if it eres est to ten minutes, and the stoker should happen to put on a larger quantity of oal, the working of the machine would be affected.

Mr. Latonrows said it would not work so perfectly, but the stoker had the remedy in his own power. Suppose, by his putting on too much coal, a larger quantity of air erre required, he would simply have to tighten the screw, and the piston would decome another than the piston would decome the piston would not be piston to the piston that the piston would decome the piston that the pis

Mr. Leighton said it would not work so perfectly, but the store and all arger quantity of air were required, he would simply have to tighten the screw, and the piston would descend more slowly.

Mr. Scott saw no reason to doubt that when the blinds were open the admission of air would cause the consumption of smoke. This was done already. Mr. Leighton said there would be a saving of 10 per cent.: that would depend upon the method of firing. The fireman must determine the quantity which was necessary, and regulate the valves accordingly. He thought the valve was wrongly placed.

The Chairman saked Mr. Scott if he had any idea whether the delicate iron-work would stand the fire!

Mr. Scott said there was no doubt the fire would have an effect upon it.

The Chairman said some kinds of coal swelled very much in burning, especially the Welsh. Hence the great difficulty was to prevent the fire-doors being copsumed. He should like to know what were Mr. Prideaux's view respecting the difference between hot and cold air.

Mr. Leismton quoted a passage from Mr. Prideaux's book, in which he spoke strongly in favour of heating the air.

The Chairman said, it seemed to odelicate for the severe work of steam-boats. With regard to heating the air, there was this to be considered,—To produce anything like the heat required, an enormous furnace had to be erected. As to the temperature: he could not help thinking that the air was not likely to be heated many degrees by just touching a hot plate. He had not seen any experiments tried, but in his opinion it would be heated very little indeed, even by the most perfect apparatus. Judging from analogy, he should say that it would not be more than from 20° to 30°. He (the chairman) continued:—They knew that a fire burnt more brightly in cold than in hot weather, which was opposed to the fact in question.

Mr. Leighton and the cold casily be repaired—almost as soon as putting in an old plate. The air spaces would also be useful in preventing the action of the fire upon the ourside work

# IRELAND AS A FIELD FOR INVESTMENT.

-In perusing the work lately advertised in your columns, entitled Ireland Estimated as a Field for Investment, by Thomas Scott, land agent. London, I find the following paragraph on Irish mines and minerals, and as it contains rather a remarkable statement relative to them, perhaps you will insert it, and thus put its correctness to the test of your more experienced readers:—

experienced, readers:

P. 17.—"The mineral wealth af-the country is supposed to be very great, and it is beginning to be brought to light, and more fully availed of."..."It is a remarkable fact, however, which I have learned from intercourse with several mining engineers of world-wide experience, as well as from conversations with upwards of 100 intelligent frish and Cornish working miners in various districts in Treland, that the veins, or lodes, especially of copper and lead, have not always been found to half good, and increase in extent and richness as the workings deseend, as is usually the ease in Cornwall and elsewhere in England; but not unfrequently run out altogether, or become so impoverished as to have led to heavy losses in working, and to the abandonment of many mines."

Kilburn Priory, April 20. John Tuckey, QUARTZ CRUSHING AND GOLD AMALGAMATING

QUARTZ CRUSHING AND GOLD AMAIGAMATING.

Sin,—So Berdan's machines have been at work, and, no doult, the have been doing their best, at the Cwmheisian Mines; and Mr. 7. I have been doing their best, at the Cwmheisian Mines; and Mr. 8. I plain English, it will be seen that two of these machines have been creeds, and during this they worked about 100 hours alloogies, and the whole of this time was occupied in experimenting upon the visual strategy of the property of the contrary, it may be highly necessary to become sucreasingly familiar their pseuliarities, by gerpeinating experiments with the machines. The preculsarities is the pseuliarities, by gerpeinating experiments with the machines. The preculsarities is the pseuliarities on the pseuliarities on the pseuliarities. The pseuliarities is pseuliarities, by gerpeinating experiments with the machines. The pseuliarities is pseuliarities. We be the pseuliarities in the pseuliarities is pseuliarities. The pseuliarities is pseuliarities. The pseuliarities is pseuliarities in the pseuliarities in the pseuliarities in the pseuliarities is pseuliarities. The pseuliarities is pseuliarities in the pseuliarities in the pseuliarities in the pseuliarities is pseuliarities. The pseuliarities is pseuliarities in the pseuliarities in the pseuliarities is pseuliarities. The pseuliarities is the pseuliarities in the pseuliarities in the pseuliarities is the pseuliarities in the pseuliarities in the pseuliarities is the pseuliarities in the pseuliarities in the pseuliarities is the pseuliarities in the pse

quoted at a promium.—Totnes, Devon, April 17. W. E. Gill.
P.S. If some people will inordinately raise that which is pality by the roadside, and thrust it on the attention of travellers having cases, they must not affect surprise if those other people should condescend to accept the nuisance for a target as they pass it by. The latter are also apt to find motive for doing this appropriately, lest the former should boastfully son the weak as invulnerable the inflated object which, at best, deserve to receive only the fitting shafts of ridicule; it were quixotic to approach such things with an air of seriousness.

[ADVERTISEMENT.]

# BRITTEN'S GOLD ORE MILL, ON THE PESTLE AND MORTAR PRINCIPLE.

BRITTEN'S GOLD ORE MILL, ON THE PESTLE AND MORTAR PRINCIPLE.

Sus,—On my way down to Shrewsbury yesterday, I found a paragraph in your last Jourt al stating that another patent had been taken out far new gold crusher and amalgamator, and that "it appeared from the drawings to be the most efficient and simple process yet introduced—being nothing more than an adaptation of the pestle and mortar principle." Asts inventor of this machine, provisional protection having been granted in February last, I was not a little surprised to see it noticed, as I have not authorised any one to make of typublic. My invention has been about to many of my friends and acquaintances, and also to some who are strangers to me, and possibly it may so have been exhibited to your informant, when I was not aware of his presence. It has been my intentia all along to make my machine known by the insertion of advertiseness and drawings in your influential Journal; but I cannot undertake to this so early as your next impression; and I must not be held accountable for any inaccureics of description that may be supplied to you by the unknown friend who seems to have taken me in hand.

The history of this simple, yet, as I believe, most efficient machine, it is follows:—Having occasion, some months ago, to conduct some expriments with quartz by means of Mr. Berdan's instrument, it occurs to me to endeavour to adapt the principle of the pestle and mortar, as it alow seemed to possess all the requisites for a perfect pulveriser and analomator. I made some drawings, and submitted them to my engineering friends, who entirely approved of them in theory.

I then had constructed some small machines of 20 inches in diameter, the pestle weighing about 2 cwts., and found they answered admirably—the quartz being reduced rapidly, and to a fineness that can'ouly be judge of by examination, and I enclose a specimen. The amalgamation also was perfect, for on several experiments I obtained in each case, I believe, all the gold there was. Knowing, however, how v

"I heard a similar challenge from "General" Winchester, booming out has among the auriferous quarts rocks in the celebrated Grass Valley, California, shar Berdan's machines are known. By the-bye, the General could supply a value certificate based on experience,

P.S. The present affor cury can be which the m of 2 ft. The trevelves of the trevelves the imputation of motives we and Sons we ournal, of amalgamatin

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bos-successful. I for one am ready to subscribe to this, and, of course, how who refuse to subject themselves to this encounter will show that they fear an adverse result. I hope to have the drawings of my machine really fer insertion in your next Journal but one. Basiliev Bertren.

3. Crooked-lane, City, April 18.

P.S. The only description of the advantages of my mill that I can at resent afford time to send you is this:—The basin is fixed, and the mercury can be heated by a small charcoal fire applied round the pipe by which the mercury is drawn off. The mercury can be drawn off by a wint in person, and the mercury can be the critical form remarks. The crishing surface—i.e., surface of contact between the care of this pestle, or crusher, and the curve of the basin—is upwards of 2 ft. The pestle has three distinct motions: it rolls round the basin, it revolves on its own axis, and it has a constant slipping or grinding motion as it revolves. In consequence of the leverage obtained by acting as the handle of the pestle, very small motive power is required. It is eximated that a 5-horse engine will drive with great velocity a double mill, such pestle weighing 3 tons. The simplicity of the whole is such that it annot possibly get out of order. The wear is equally distributed all sound the pestle and basin, and the cost of the whole mill will not exceed and guiness each. each. THE CRUSHERS.

THE CRUSHERS.

Sir.—No argument is so self-condemnatory as that which consists in the imputation of motives; for they are mostly suggested by the analogy motives which the accuser feels conscious of in himself. Messrs. Taylor and Sons were accused by a fictitious correspondent, in the last week's fournal, of being actuated in allowing me to erect my new crushing and analgamating machine at the Colonial Gold Works, Rotherhithe, merely to gratify a spirit of opposition to others. That this is a frivolous and mesuscial idea of your correspondent, I am convinced; for no consideration, other than a conviction of the intrinsic merits of my invention, readd have induced them to the arrangement. I took the model to their office without their previous knowledge of my intention; and it was not not in the most remote manner connected with it. I pen this without the againstnee of Messrs. Taylor and Sons. I would not have responded to an anonymous writer had I been personally attacked.

Norfolk-street, Strand, April 16.———— R. COLLYER, M.D.

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Winchester buildings, April 21.

# GOLD IN ENGLAND.

GOLD IN ENGLAND.

Su,—"A Subscriber" mistakes: I never for a moment supposed he was one of those who had given 24s. for a gilt farthing: I gave him redit for knowing better, and placed him on the other side, persuading the horizontals they had bought the "security" too cheap, and endeavearing to raise a further 2s. upon it. His reference to the Poltimore is becuisally unfortunate. Do we not all know the history of that poetic wasel, the Albatross, which, steering northward towards Indian Point, aloig the very track of the homeward-bound Australian and Liverpool vissels, secaped all perils, and was found to yield a profitable return of dust at St. Helens? But in the next eargo, less favoured, the figure of fire gold beame, like the figure of Prior's nut-brown maid, "fine by degrees, and heautifully less." Happily the gift of 500 gilt farthings stimulated fenius to devise means to grasp the waist at the very vanishing point, and further reduction in the figure was to be paradoxically stopped by reduction as the spot. This rumour faded, and then followed a game at oup and hall between one Berdan and Perkes, for a wager upon odds. Wlat now is doing? "Subscriber" wrongs Britannia in saying that Poltimore led the movement; but as he seems quite; a glutton for instruction, we may hope his craving will be eatisfied by-and-bye. He tries the "soft-awder" system with Mr. Hopkins. Another correspondent, "F.H." (Bederick Hall), styles the author of the Connection of Geology and Magnetism a "dousterswivel." These different tacks show very great trouble from alverse winds. No doubt, if "Subscriber" can prevail on the Bank of Eagland to take gilt farthings for sovereigns, he concludes rightly there will be plenty of gold to carry on the war. I have referred to Ir. Readwin's builtein, but all I can discover is that Berdan's muchaes have eaght the nightmare—an "onen," I suppose, of the horrors of the victuals. He informs us he is no subscriber to the Britannia; he does not like his own writings well enough to subscribe his own r

# PORT PHILIP GOLD MINING COMPANY.

PORT PHILIP GOLD MINING COMPANY.

Sin,—I am perfectly inundated with letters from dissatisfed share-holders, requesting me to convene a meeting. Past experience has taught me, after an expense of upwards of 2001., and an enormous amount of faigus and veration, to lend a deafear to these complaints. People suffer themselves to be done out of hundreds, and even thousands, as easily as grees are plucked of their feathers, without combining together at a small cost of money and time to endeavour to remeight the will. The thares have evalued to the miscrable figure of 6s., because there is no confidence in the present management. The share-holders should meet, and take measures to restore confidence. Mr. Hopkins having returned to London, the directors should give a clear and straightforward report of the present state of things and the future prospects, similar in form to that lately issued by the Golenial Gold Company, and especially explain us the shareholders why funds were not sent out in time to buy gold in the same manner as the Colonial Company. How were the funds employed at that period? These questions should be put to the directors by a deputation, and a perusal requested of all Mr. Hopkins's despatches during his mission, together with the reports, &c., and their respective dates; and what were inserted in the Missing Journal, and other papers, in corresponding terms. In the shareholders, and application should be made to Mr. Evan Hopkins for a copy of all his papers, showing what has been done,

what is doing, and what must be done to ensure confidence at home and influence in the colony, as well as the retention of proper agents. Perhaps it would be advisable to apply to him at once, and not waste time parkey vous-ing with the directors. I am sure these proceedings would be well supported; and the exposures which would then certainly come to light, would lead to useful purposes—such as a total change in the officers and management, and then we should have a chance of getting on. I throw out these practical suggestions to my numerous correspondents; and I hope they will be "up and stirring." My state of health will not allow me to take any active part in the movement, beyond attending the meeting.—King's Arms-yard, April 20.

H. Guedalla.

# MR. CALVERT'S COMPILATION ON GOLD ROCKS.

MR. CALVERT'S COMPILATION ON GOLD ROCKS.

Sia, —The following extracts will give some idea of the character of Mr. Calvert's book on Gold Rocks: —The St. John del Rey Mine: composed of a soft kind of gneiss, full of sarrow veins of quartz, "&c. —The gold quartz of Marmaio contains only a small portion of metal. Here the gold is found in quarts in sandstone! "—(Pages 228 and 230). What will Mr. Hopkins say to this? The description of some of the English localities is so incorrect as to show that Mr. Calvert, with all his Australian experience, has much to learn to be equal even to some of our common miners. Much has been said and written regarding the Sillurian region. I should like to know in what part of the world gold has been found in the Sillurian division of the sedimentary series, or, in plainer words, in fossilliferous rocks. Mr. Calvert should first succeed in discovering and working a remunerative gold mine in Great Britain before he began to criticiae the opinion of those who have laboured so long in practical geology. Something more than the mere picking up specimens, &c., which have been frequently done before, and collecting imperfect and losos records of gold finding, are required to justify the tone and assumptions of your correspondent, Mr. Calvert, in his communication.—April 20.

Align CALVERDE. AND COLD M. W. MARLES.

# MR. CALVERT, AND GOLD IN WALES.

MR. CALVERT, AND GOLD IN WALES.

Sir.—In perusing the columns of your valuable Journal, to which, amongst many others of my countrymen. I have lately become a subscriber (being much interested in the various scientific subjects of which it treats in so able a manner). I was struck by a letter, attacking in a most uncalled-for and ungenerous manner the author of that interesting work, The Gold Racks of Grest Britisis.—a gentleman, with the characteristics of true talent, striking out for himself, and the mining word in general, a new path at our very doors, proving that Old Wallia's hills, in addition to their other attractions, are richly impregnated with gold. Had Mr. Calvert's object been to misicad, I take it he would have selected his field in some more distant region, and not in North Wales, where any sceptics, by an easy journey by rail, may in a few hours satisfy themselves as to the truth of what has been advanced. Why should a gentleman, labouring to produce to his country so valuable a result, working, as he does, con amore, be attacked as a charlatan?

For my part, I am not surprised at the severity of your correspondent "Stilton." and laying on the lash as he has done. My chief object in addressing you, is to draw your attention to the fact, that the author of the work on The Gold Racks of Girat Britisis is no ille dreamer—or, if he is, that he has a host of good company. A number of scientific writers have from age to age given, us the impression of their firm convictions that Britain, and especially North Wales, contains gold; nor their firm convictions that Britain, and especially North Wales, contains gold; nor any are quoted in the above-mentioned work, and some many have escaped Mr. Calventy are quoted in the above-mentioned work in the fact of the firm of the firm of their firm convictions that Britain, and especially North Wales, contains gold; nor at your quoted with most part of the firm of the

with the extraordinary discoveries in other parts of the world, it tends to impress the observant mind with conviction that Providence is wonderfully working around us for some wise purpose. Let us hope it may be for our good as a nation. I trust you will pardon my prolixity.

IS CELESTIAL MAGNETISM OR GRAVITATION THE PRINCIPLE OF MOTION?

Size,—The nature of comets having been the ruling pastime of my leisure hours, since that of 1811 appeared as though indicating an infinite sphere bepond the starry zone, permit an old correspondent, now that similar phenomena attend our present visitor, and riper reason confirms my belief of their being magnetic forces originating motion, to ask your indulgence of a corner of your paper for a few remarks at this juncture of philosophical enquiry on the subject, not altogether uninteresting to the public. The great first law of nature, as propounded by Kepler and Newton, as we all know, Sir, teaches that gravitation alone is the first law of motion, the sun being the focus of the planeary frozen rotating in the plane of their orbits. Now, with due deference to such authorities, seeing how eccentric are the trajectaries of comest, let us ask ourselves, as thinking men, whether the dictum of these truly great men may not be demonstrative evidence of planetary motion, when the presence of these bodies within the solar system tells but too plainly that they, too, must be subject to a law beyond that law of motion which these philosphers so nicely define, and consequently may constitute a link in the chain of that power which binds us to the Deity, around whom revolves the mighty monadal? Admitting the feastbility of such a principle, the only question to be determined is, whether these bodies are of matter or a magnetic nature indispensable to their existence. This woold principle of nature being admitted, I do not see why these impalpable bodies should not be considered in relation to one another what the vital principle is to human nature—the one circulating its magnetic fluid

# THE NATIONAL BRAZILIAN MINING ASSOCIATION.

TO THE SHARSHOLDERS OF THE COCAES AND CUIADA MINES.

GENTLEMEN,—On passing through Cuiaba a few days since, I found, on calling at your establishment (which has been of so many years' standing), that the mine is entirely "kneeked up," and the place abandoned to a few old inefficient blacks to watch the property. It is a matter of no little surprise to those so well acquainted with the mines in that locality, that at the moment when all the castern ground at your mine is laid open, the company, at a time when they never more wanted a good mine, should close their eyes to so important an object, and abandon the mine altogether to their Brazilian sharcholders, one of whom, who has worked more extensions. would come their eyes to so important an object, and abandon the mine altogether to their Brazilian shareholders, one of whom, who has worked more extensively than the others, having supplied 24 stamp-heads for a period of seven years, assured me he seldom realized less than half an ounce of gold per ton of ore. Much blame must be attributable to some department of the company's past management. It was satisfactly the old captains that the eastern ground at this mine would produce much riches; and for that reason a deep adit was commenced, and driven a great distance from the Mocaubas River, close to the company's stamps, but was, unfortunately, for some reason abandoned. If this work was again resumed, and the object of the old captains accomplished, and the mine placed under the management of an experienced mining captain, it might in a short time be brought to give profit, able returns. During the time you would be engaged driving the deep adit, there can be plenty of stone obtained from other parts of the mine to supply the stamps, to help the expense of the establishment; your mine, as a rock mine, is considered by those best acquainted with it to be only second to Morro Vellob. For further information respecting the mine in question, I would refer you to two of your old captains. Thomas Treloar and John Hitchens), who left for England last month, and who, no doubt, would reader; you all information necessary on this point.

\*\*COOSHREN MINES.\*\*

\*\*CO

Sin,—Having seen in the Missing Journal of the 5th instant a report from Capt. Skimming, I will thank you to insert the following remarks. First, Capt. Skimming believes that "the productive parts of the lode lay all to the south, and had been touching in the workings under the adit level." If Capt. Skimming had examined a cross-cut in the 5 fm. level, he would have seen that the lode was intersected, and its waitht and character securities of the major lab have seen it intersecting in numerous places above the adit level. It is, therefore, an "Hibernianism" to take the credit of suggesting what had siready been done. Second, what Capt. Skimming

calls Thomas's lode is the old lode, hove 10 fathoms south by a slide; it is not at all entangled in the slide, nor did the parties working the mine "lose their way." The fact it, that the workings under the solid were made in the slide, and not on Thomas's lode, which is as plain to be seen as the sheet of paper on which I am writing; consequently, it required no extraordinary degree of "practical knowledge" to find that which was never lost.—W. Thomas: Lensare Mine, April 17.

# THE TRELEIGH CONSOLS MINE.

THE TRELEIGH CONSOLS MINE.

Sin,—The report in your last week's Journal not being clearly intelligible to parties who were not present at the meeting, you will, I am convinced, allow me a small space in your next Number for a few explanatory remarks. I stated, in answer to questions by shareholders, that in consequence of having made an important discovery in the 100 fm. level, west of the cross-course, every preparation was being made to pump the water out of Christoe's shaft, which is sunk to the 120 fm. level; and in about three weeks we expect to seconphish the object, when the ground will be extanded to pump the other expect to seconphish the object, when the ground will be extanded north to intersect it. With respect to the tinners and tin, I said we had opened a shaft on Wheal Pever lode, and examined the workings as far down as the water would allow us to go; and some good tinstuff was brought to surface, making a produce of 75 per cent, of black tin. We opened on the lode in several places; but as the water in the adit was doing down, we fully anticipated reaching the backs, about 56 fms. below the surface, in about a month from this time, when we should see whether we were justified in carrying on further operations in this part of the property or not. Tributers, however, who had formerly worked in the ground, have intimated their willingness to resume working at 10s. in 1L, leaving the other half a clear profit to the adventurers. This lode is about 200 fms. to the south of Garden's engine-shaft, and about 120 to the south-east of the new ground; the adit in which has been cleared not only 20, as stated in your Journal, but 220 fms. in length.

Jone Paince.

April 21.

# TINCROFT MINE.

TINCROFT MINE.

Sir,—In your last Journal there is a report of the proceedings of the last annual meeting of the Tincroft Company. On that occasion Mr. Tyrie animadverted on the manager! How to reconcile the two opposites is beyond my power: I leave that to Mr. Tyrie. I have no connection with the mine, but being in continual intercourse with mine agents of the first ability, I am in possession of their opinion respecting Tincroft management. In a recent conversation with one of them, he said that "the had been underground there several times, and he could truly say that a mine better laid out he had nover seen, except that the shafts were not such as would be sunk if they had to be sunk now." But these shafts were there long before the present manager had anything to do with the mine; consequently for any defect in them he is not to be blamed. As to the foot-ways, I hear that they are admired by all who travel over them. In the high opinion expressed by Mr. Tyrie of Capt. Floyd's character I entirely concur, but utterly dissent from the allegation that the mine is badly managed. The expenditure by Mr. Tyrie of 100% for the report of the gentleman whom he employed to inspect the mines is mere woste; for however desirous Mr. Tyrie may be to see that gentleman in the position of engineer, it is not probable that his supervision would be of any advantage to the company. Native talent has always been found best for Cornish mines. Cockneys can talk and boast a great deal, but their room is better than their company in mine management.—Truro, April 18.

# WEST WHEAL JANE AND KEA TREMAYNE

WEST WHEAL JANE AND KEA TREMAYNE

Sta,—I read in your last Journal the reports of the meetings of shareholders in these mines, held at Anderton's Hotel, Fleet-street. As I have no other means of obtaining information concerning this property, in which I have an interest, except through the medium of your valuable Journal, I may, perhaps, be excused for expressing through the same medium the surprise I felt on looking at the financial statement; a more meagre affair I never saw. These companies, of course, have a secretary of some sort, and an office of some kind or other; but I find no charge for either. Whether their expenses are included in the mine costs, or in the sum advanced in part payment of the engine, I am really at a loss to understand; but in one or the other of these items it must be, if charged at all; and if pot charged, then, I contend the balance is false. I will say nothing about the extraordinary statements put forth at a previous meeting in reference to the "auriferous mundie," further than that I never had the slightest confidence either in the experiment or the result; but believing the mines were valuable as tin mines, I kept to my shares. It is, however, with the accounts I have to deal; and I would suggest that an amended balance-sheet be forthwith sent to every shareholder.

Oxford, April 21,

MED PERKES AND THE KEA TREMAYNE MINE

MR. PERKES, AND THE KEA TREMAYNE MINE.

Sig.,—Permit me, through your Journal, to reply to Mr. Jones, chairman of the Kea Tremayne Mining Company, who, at the meeting held on the 12th inst., took coasion to bring prominently before the shareholders an error on the part of myself, as manager at the Vulcan Wharf, in taking the weight of the mercury used in an experiment made for that company, in his and other gentlemen's presence. This matter had been explained to Mr. Jones, and he appeared satisfied; the weight was taken by a new weighing-machine, no to yeales, and I misjudged the quantity, not 24 lbs., but exactly 25 lbs., this has been more than once explained to Mr. Jones, and, as I said before, to his apparent satisfaction: and it was, no doubt, the repetition of Mr. Jones's expression and discontent to Mr. Perkes, that led Mr. Perkes, after the explanations more than once shown, both by Mr. Perkes and myself, to say it was narrow-minded of Mr. Jones to reiterate his compaints. I much fear Mr. Jones is angered at not finding his anticipations realised of a much larger yield of gold; but he was cautioned by Mr. Perkes that he must not be disappointed at a small result, as the mineral brought was arsenical. I should not have intruded on your space; but, as I think Mr. Jones's remarks are calculated to misrepresent both the machine and myself, I trust you will grant this note insertion.

WHEAL ZION.

WHEAL ZION.

Sta,—The Agents of this Mine beg to inform Mr. T. Gosse, in reply to his letter, in last week's Journal, that they did not omit doing their duty respecting the improvement named by him. They gave the information through the usual channels in London and Bath, and beg to assure Mr. Gosse that they have no private interest to serve, nor do they wish to show the least partiality to any party; therefore, should advise Mr. Gosse in future to bring himself acquainted with facts before holding them up in the Mining Journal, with threats of being discharged. Amids all the discord named by Mr. Gosse, they intend to do their duty to the shareholders generally, as hereto-fore.—April 19.

# WHEAL ZION.

WHEAL ZION.

Sir.—In your last Journal a letter appeared, signed T. Gosse, in reference to this mine. I am desired to solicit the favour of a space in your next issue for the insertion of a reply. If the amouncement alinded to by Mr. Gosse has aroused his indignation, it had not the less astonishing effect on the London committee and shareholders. There had been no communication from the mine received at the office, announcing such an improvement as that which was mentioned, and as quoted by Mr. Gosse; neither had any paragraph been sent from this office, except the usual weekly report to the Mining Journal. Duplicates of every report from the agents, as sent to London, are invariably also sent to the Bath members of the committee. There seems nothing extraordinary for Mr. Gosse to receive even daily applications for shares by telegraph from the London member of the committee he refers to (who is Mr. Peter Watson), as that gentleman's especial business, like his own, is that of a mining sharebroker. There is, however, a much stronger reason why a 'bond of union' cannot exist between the London shareholders and the clique who were promoters of the mine at an exorbitant premium; and this clique comprises Mr. Gosse himself and his immediate friends. That reason is the extraordinary efforts now made to obtain a majority of shares, to secure for Mr. Gosse the secretaryship. The shareholders generally are not aware that Mr. Gosse has organised a partnership, to provide funds to purchase a majority of shares, in order to bring about this end, one of whom is Mr. H. C. Vivian, who has contributed largely, with a view (as openly expressed at the last general meeting) of being reinstated as local purser. Surely, former experience has given original shareholders a painful and costly lesson as to such management. Before Mr. Gosse again indulges in similar bursts of virtuous indignation, let him commune quietity with himself, and abandon selfish views; he would then first make enquiry as to whether the grievances complained

# WHEAL ZION.

WHEAL ZION.

Sin,—In reply to the insinuations of Mr. T. Gosse, in your Journal of the 15th inst., I beg to say that I have done business to the extent of about 200 or 300 shares through the medium of the telegraph (to and from Bath); and at the time of telegraphing to Mr. Gosse for the pairty number of 20 shares, at 21, 10s, per share, I knew of no improvement at the mine, and so far from offering at a price (as Mr. Gosse states) considerably below the marketable value, I heard from several brokers the same day that they had received orders from Mr. Gosse, offering to buy at 2%. I sold also the same day shares at 3½, and after wards offered to buy at the same price. This was on the 10th inst., and on the same day I was tood by a person from the neighbourhood, after I had telegraphed to Mr. Gosse, that the lode was worth 30ℓ, per fm.; this, with other information, as I am frequently in the habit of doing, I communicated. From this you will see that the paragraph alluded to did not emanate from the office, or from any of the committee of management. This proves Mr. Gosse's insimuations unfounded. In reference to the individual motives of Mr. Gosse for urging a change of management, I am well aware that even the bath shareholders have joined in favourable compliments to our secretary (Mr. Peet), and according to the reports of the inspecting agents who have lately examined Wheal Zion, we learn with pleasure that "the mine is now being worked entirely in conformity with the reles of good.

MINING AROUND TAVISTOCK.

Sin,—Agreeably to request, I have visited, the different mines, and forward you a few particulars. I first inspected the Sortridge Cousois, and fand, from its appearance, that it had not been at all over-rated; it is the best young mine at the depth I ever saw; you readly cannot say too much for it. I then visited its neighbour, North Wheal Robert, where they were raising some very fine ore, and its machinery seemed to be in perfect order, the dressing-floors laid out to the best advantage, and altogether this is a very promising mine. From thence I crossed Raster Down, and saw the South Devon Bursa Burra; I must confess I was surprised to see the large lode they have there dissovered in costeaning. I do think it is the largest and strongest I ever saw so near the surface, tit is composed of capie, prian, and peach, with strong spoot of yellow ore, and from the beautiful stats it is in cannot fall in depth of making a large deposit of one. I find it is about one mile from Sortridge and North Wheal Robert, with the good outlay. I give crossed Whitchurch Down, about half a mile south of South Devon Burra Burra, to the Devon Burra Burra, to the Devon Burra and I was much pleased to see the first-rate manner in which this mine is laid out, and the working of the singine. I wish them "good speed." In visiting these mines, and making geological surveys as I passed, I have no hesitation in saying that east and south-cast of Tavistock will yet be as great a mining district as any part of Corawall or Devon, and congratulate those who are fortunate enough to be holders in that neighbourhood.—J. P.: April 19.

# Meetings of Mining Companies.

QUARTZ ROCK MARIPOSA GOLD MINING COMPANY.

The annual general meeting of shareholders (postponed from the 31st March) held at the London Tavern, Bishopsgate, on the 15th inst.,

Mr. Alderman Canten in the chair.

The Chairman stated that he regretted he was obliged to be in the chair that day, owing to the indisposition of Lord Erakine, who wished to have been with them, but was precluded from so doing by the advice of his medical attendant.—A letter was then read from Lord Erakine, expressing that nobleman's regret in not being able to participate in the day's proceedings.

The Skentran (Mr. Waddell) then read the following report of the directors:—

The Cananacs stated tha he regreted be was oldiged to be in the chair that day was preclained from so doing by the advice of his medical attendant.—A letter was then rend from too long by the advice of his medical attendant.—A letter was then rend from too long by the advice of his medical attendant.—A letter was then rend from too level to be lead to be a letter was the render of the control of the control

stitled to the requirements of the country, which were obtained from the foundries of San Francisco. Subjoined is the cash account, made up to the 15th February, and duly audited, which shows the total receipts to have been 36,554. 10s. 4d., and the expenditure 34,594. 3s. 10d.; leaving at that date a balance at the bankers and in hand amounting to 3055. 6s. 6d. It is, however, necessary to state that since that period, in order to pay off the additional machinery required at the mines, the wages, royaltics, necessary stores, and provisions before the rainy season, and other expenses, the agents found it necessary to draw for a further sum of 8569. 13s. 4d., thereby absorbing the balance remaining on the 15th February, and requiring a farther sum of 6511. 6s. 10d., which amount has been advanced for the company, by Mr. Alderman Kelly and Mr. Alderman Carter. Your directors, being unwilling to dispose of any of the 16,005 shares still unissued, but they now propose, with the approbation of the shareholders the same, and to give the present shareholders the option of taking such unissued shares at par, pro raid, which will give 38 shares additional of the company's stock for every 100 so held, and in proportion for a larger or smaller number.

casing such unissued shares at par, pro rola, which will give 38 shares additional of the company's stock for every 190 so held, and in proportion for a larger or smaller number.

The shareholders will see, from the recapitulation which has been given of the works already performed, that this is a great mining enterprise, and that the plant and establishment are on a very extensive scale. The directors feel it is a matter of congratulation that, through the energy and perseverance of the agents of the company, in the short space of only ten months from the period of taking possession of the property, and at a comparatively small expense, the mines have been fully opened and proved, the roads and bridges completed, the necessary buildings erected, and the whole reduction and smalgating machinery, which, with the heavy engines and botlers, had to be transported across a most difficult and mountainous country, and over almost impassable roads, for a distance of 79 miles, have been set up, and put into complete working operation. And notwithstanding the superintendents have been unable, in consequence of many difficulties and disappointments they had to coatend with (which are almost impossible for shareholders in this country to conceive, and which it is unnecessary here to recount), to send home actual results, according to promise; yet the directors have the satisfaction to state they are aware that in the middle of February the whole machinery was in good working order, and that the crushing and amalgamating had commenced in carnest; and they had the greatest condiders in the leing able to place before the shareholders in the course of a short time the material evidence arising out of the actual results, which will cetabilish the fact that quarts mining, carried on with powerful machinery, and with every practicable economy consistent with the proper development of the mines, as in the present instance, will yield very ample returns for the capital invester.

The directors who retire by rotation are, Mr. Alderm

The balance-sheet was then read, detailing the items of expenditure from the on mencement of the adventure until the 15th Feb., 1854, which showed—Shares pupon, 35,9951.; interest on investments, 8594, 10a. 4d.—26, 8544, 10a. 4d.—Anon paid Ool. Frémont's agent for deposit, in terms of lease, 10001.; preliminary expens advertising, &c., 10001. The; counting-house furniture, 20. 5a.; salaries in Engla 1852, 2024.; outfit, passage, and salaries of staff to California, 25291. 18a. 11d.; et of machinery in England, 25391. 18b. 2d.; salaries in England, 1853, 26d. 8a. 1aw expenses in California, 1507.; total expenditure in California, from April 1 December 31, 1853, including buildings, transport of machinery, materials, stock, opening mines, 25,9891. 14b. 8d.; balance in hand, 20551. 6a. 6d.—36,8541. 10a. 4d.

of machinery in England, 2294, 18a, 2d.; salaries in England, 1853, 266, 18. (d. law expenses in California, 1501, 2 total expenditure in California, from April 1 to Desember 31, 1853, including buildings, transport of machiniery, materials, stock, and opening mines, 25,986, 146, 3d.; balance in hand, 2053, 6a, 6d. 384, 854, 10a, 4d.

The Charkan's stated, that satisfactory as their accounts were, he trusted that he should have had the pleasure of meeting them that day with some actual results. They had received a letter from Mr. Agard, their correspondent in San Francisco, which informed them that the rains had been so excessive in California that he roads were perfectly impassable, and no communication could be received from the salars and particular companies, but it was particular to the salars and particular companies, but it was particular to the salars and the enceived to a considerable explaint four he and his colleage, Mr. Alderman Kelly, had rained a product of the constitution of the produced, or account of sassys brought forward, until they had gold. (Hear, hear.) He had made up his mind that no stones of quartz should be produced, or account of assays brought forward, until they had gold. All their accounts had been open to the public. As soon as they received information they published it: they had nothing to conceal from their constituents, and the information which came to hand was open to them as well as to the directors. He concludes with moving that the report and balance-sheet be adopted and confirmed.

The Rov. E. Dausnood enquired whether any trial had been mode of any portion of their property, and what had been the results?

Mr. DINELY (the solicitor) said, they had crushed 50 tons from the Mary Harrison vein, and the results had been 3 oza, to the ton, which would leave a handsome profit. Mr. Chivranwall stated that he was not an original allottee, but had been induced to take shares through the hear 3 oza, to the ton, and it have a surface to the quartz fook Company; and the work enqui

A SHARKHOLDER enquired how many shares Licenta-todown trans that since purchased largely.

Licut.-Col. Grant and Mr. Gilman were then unanimously elected directors.

Mr. Alderman Kullt stated that he had known Mr. Gilman for a long time as a practical man of business, and congratulated the meeting on the selection they had made. From age and physical infirmatizes he could not derote that energetic attention to their business which his more active colleagues did, but he was certain that the property they possessed had all the elements of success in it. He had been from his infancy in the City of London, and they must be aware from the positions he had held, he had often been requested to lend his man to speculations. It had been his maxim through life to set straightforward and honourably, and had he seen any chichanery in this company, he should have felt bound instantly to retire from it. As might be expected, whatever results might accrue, according to the ordinary course of nature, they could be of little benefit to him, but they would be to others; at all events, so long as he remained he would endeavour to do, as he trusted he had here-tofore done, his duty to every one with whom he had the honour of being connected. A SHARKHOLDER proposed that the directors should be empowered to call a meeting that day four months.

The Chairman suggested that though he should be happy to meet them before, he though that this had better remain in the hands of the directors.

Mesars, Lewis Pocock and Henry Carr were then elected auditors, at a salary of 10 guineas per annum, being the minimum sum allowed by the Doed of settlement. Yotes of thanks were then given to the directors severally, to Mr. Alderman Carter for his able conduct in the chair, and Mr. Waddell, the secretary, which were suitably acknowledged, and the meeting separated.

# WEST GRANADA (OR VERAGUAS) GOLD AND SILVER MINING COMPANY.

A special general meeting of shareholders in this company was held at the offices

A special general meeting of shareholders in this company was need at the omces, Old Broad-street, City, yesterday,—Mr. G. T. Braine in the chair.\*

The Secretary read the notice convening the meeting, and the minutes of the last, which were confirmed.\*

A report of the committee, appointed at the special general meeting held on 29th March, was then read, from which we extract the following:—

The SECRETARY read the notice convening the meeting, and the minutes of the last, which were confirmed?

A report of the committee, appointed at the special general meeting beld on 20th March, was then read, from which we extract the following:—

In conformity with the resolution at the last special general meeting, your committee have had interviews with the directors, at which their combined attention was immediately and especially directed to the objects for which they were appointed. Having fully and carefully considered the sweral suggestions that were made, it was unanimously agreed to recommend for your adoption the plan embodied in this report, upon which the proposed arrangements to be submitted for your consideration have been framed, as being the most practicable, the most likely to insure success, and the most just and equitable to the shareholders and scripholders. The general financial affairs of the company having been so ably and fully explained and elucidated by Mr. Guedalla, who had also inspected the accounts, your committee did not deem it a part of their duly to institute any further enquiry into bygone transactions, especially as it was conceded by the meeting, that however disastrous the administration of the affairs of the company had unfortunately proved, and whatever errors had been committed, these errors and disasters were either such as no foresight could have prevented, or were owing to the misconduct of persons in the foreign employment of the company; and that no act had been committed by the directors themselves, or by the officers of the home establishment, that should disastitle them to the future confidence of the shareholders. Your committee have, therefore, confined their attention to the present financial state of the company.

The directors having ascertained that the liablishies amount to a larger sum than was estimated at the period of last meeting, are of opinion that not less than 25,600. should be raised, to enable them to conduct this undertaking to a successful iss

5. That power be given the directors, with the consent of two-thirds of the anareholders, called especially for the purpose, of increasing the capital of the company to 155,500.

6. With regard to the 20,000. residue of purchase money to the vendors, contingent upon the success of the company, the following modified arrangement be entered into with them. That after the shareholders shall have received 10 per cent, per share upon the full amount of capital, the vendor and shareholders shall divide the balance of profit arising from the mine in equal proportions, untill the sum of 20,000. shall be liquidated.

7. That a special general meeting be convened as early as the rules of the company admit, for the purpose of carrying those arrangements into effect, and that instructions be given to the solicitors of the company to take the necessary steps for the dissolution and re-construction of the company.

The Chairman submitted a statement of accounts, from which it appeared that the total liabilities were about 7000.; and the proposed capital to be raised would leave upwards of 20,000. for working the mines. He said that the conclusion the meeting had come to must be satisfactory to the sharehoiders, as it was the only practical and beneficial one for working the mine. A very erroneous opinion had gone abroad, that the shareholders would be coerced into taking up their shares; this was not the ease, as, if they did not choose to pay, they could transfer them to others, and the method intended to be adopted was the only one calculated to give them a market value. There was one point the directors had never published, but which he would explain injon the present occasion. When Mr. Ram was sent out, his instructions were to assay for gold ores, but he found a very large quantity of valuable sliver ores, which, upon assays, were found to contain from 180 to 200, and even as high as 300 oxs. per ton. Mr. Ram, fearing he might be in error, made 30 different assays, in every instance producing similar results. Upon that

unable to account for the discrepancy, and they might judge the embarrament the directors. Although it was a difficult matter to bring the charge home to be party, they had good reason to believe, and circumstantial evidence to prome to the party, they had good reason to believe, and circumstantial evidence to prome to the ore sent home was not from their mine, and forwarded in order to prejecte he same the same as the same as the company of the company. The same as the company of the company. It they obtained 20,0001, it would be sufficient, and he did not continue to the company. It they obtained 20,0001, it would be sufficient, and he did not anticipate much difficulty in getting that amount, for if the public came farward who one-third it would be ample.

Mr. Gunalla said it must be most extensively advertised, and he had not the mines, and make a total loss of their outlay.

A resolution was then unanimously passed, adopting the report of the committee. Mr. Gunalla said, as the plan adopted was principally suggested by himself, be was extremely anxious to have it carried out in the most efficient manner. He trusted by the fusion of parties great results would arise, and, therefore manner. It trusted by the fusion of parties great results would arise, and, therefore manner. It trusted by the fusion of parties great results would arise, and, therefore, lossed the would make "a long pull, a strong pull, and a pull altogether." (Laughter, A mining was speculative, but in many cases, after a large expenditure, great result had been obtained from a last call of 2s. 6d. He would conclude by proposing du Meserra. Braine, Barber, Clive, Mangles, Thomson, Shaw, Daukes, and Tale, kip Mayne, and Captain Charrette, be appointed the committee to carry out the base any alteration.

Mr. Wann, in ecconding the resolution, said the new board would be a most use that man and captain charrette, be appointed the committee to carry out the base any attem

# RHOSYDD SLATE COMPANY.

A meeting of shareholders was held at the company's offices, needay, Mr. EDMUND BURKE in the chair.

The SECRETARY (Mr. Bacon) having read the advertisement convent the following report of the resident managers, Messrs. John Harper was then read:—

the following report of the resident managers, Mesers. John Harper and The was then read:—

April 15.—Since our last report of the 14th of February we have had uning weather for quarrying operations, and on fisor No. 1 there are five bargain work; the clearance is now 138 ft. in length, 96 ft. in breadth, and 50 ft. instead of, as reported on the 14th of February last, 117 ft. in length, 22 ft. in and 44 ft. in depth. The top lift them newly commenced has been followed up cubic yards of rock have since been cleared. In consequence of the miner No. 2 having cut into a vein of hard quarts, they have only cut 14/5 yards it two months, against 20 to 22 yards as previously made in a corresponding time. In order to assist this level, and according to arrangements made, in course of being sunk, from the bottom of which men are to drive to mee No. 2 level, of which there are 45 to 45 yards to complete; this shaft, when be 15 feet in depth, 15 feet has been sunk, which leaves 19 yards, or 30 feet There are also two bargains employed in cutting the bone, a process of greance in reaching and clearing from the state rock. From all that has tal since we last addressed you, we are confirmed in our then opinion as to the per the paying slate rock will be reached, provided the quarts vein, which now our progress in level No. 2, shall be speedily out through, and give place to to work; a great deal depends upon this, as it is impossible to tell whether may or may not impede progress to a further considerable extent to the At all events, whether or no is immaterial, as to the quality and character of when fairly developed, which will be found qualt to any opened in Mering.

The Charaman observed, that when they last had the pleasure of meeting rectors gaves the sharefolders a full events of what had been they last had the pleasure of meeting rectors gaves the sharefolders a full events of what had been they last had the pleasure of meeting rectors gaves the sharefolders a full events of what had been they last had the pleasure o

sames we last addressed you, we are confirmed in our then opinion at the president progress in level No. 2, shall be speedily out through, and give piece to rectue to work, a great dand depend upon this, so it is impossible to tell whether they not not not not to the president of the president

men attached to the quarry as we can profitably employ, the demand for labor we great that it is difficult to get labourers. I was informed that at the gold disple of Dolgelb as much as 5s. per day has been paid. At the present rate of expenient will require 1600f. or 1700f. to prosecute the works with vigour for fee made. We cannot expect a dividend for some time after our make of slates has reached a quantity per month which will enable us fairly to declare a dividend. In conclision, I must express my satisfaction at the appearance of the quarry at the works in progress; at the same time, I cannot conceal from you my opinion the even allowing that thought will not come up to our most sangular satisfaction is a work upon which a capital larger than we have may be profitably and jointout in a work upon which a capital employed. I beg to thank Messrs was Taylor, and Bacon, for pointing out various subjects for enquiry. Have law two small specimens of the quartz lode; a larger quantity will be sent by the fire vessel from Yort Madoe.

In reply to Mr. Welborne, Mr. Caures and the capital engine.

vessel from Port Madoe.

In reply is Mr. Welborne, Mr. Olaven said there were slates only in one leris, in they were of a very superior quality. He did not think they could produce helis any part of the county. They were now producing a small quantity—about it is any part of the county. They were now producing a small quantity—about it is 12 tons a menth; but the shaft, when completed, would greatly facilitate here rations. He considered their prospects alsogether very satisfactory, but as in also dertakings on such a scale of magnitude it requires a large amount of capit, it is shareholders must not expect large returns for some time.

A vote of banks was show moved to Mr. Oliver for the great trouble he had his in enquiring into the affairs of the company, and for the valuable services is rendered the shareholders.

Dr. WINO, in seconding the proposition, observed that this was not the first they had had to acknowledge the valuable services of Mr. Oliver, The list had

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to that gentleman, as much obliged to the meeting for the compliment they had paid appy to find that his report had met with approval. It had given him to find that the expenditure had been most carefully and judiciously hat there had not been a shilling misapplied. The managers seemed hole heart and soul in the undertaking, and were most sanguine of seerly hoped they would not be disappointed. then voted to the local managers and working staff for their indefatition the affairs of the company.—A cordial vote of thanks to the chaircrest terminated the proceedings.

[FROM OUR CORRESPONDENT-MARCH 1, 1854.]

[FROM OUR CORRESPONDENT—MARCH I, 1854.]

I DIGGINGS DISCOVERED.—New diggings have been discovered at the Hill, Nevada county, Sacramento, which pay § to the pan. Great excitererals among miners, and acres of ground in the vicinity of the newly-discinguisty of the newly-discinguisty have been staked off.

BIG LUMP.—Last week a German boy, named Fritz, and a coloured med Duff, while prospecting in the guleh between Palmer, Cook, and Co.'s and the quarts mill, distant a few hundred yards from town, found a block of aring quarts, weighing 193 lbs. It is one of the largest and most beautiful sew se have ever seen. There are various estimates of the value of this lump, from \$500 to \$10,000.—[This is the very spot which was taken possession of by Mr. Andrew Smith, for the Golden Mountain Company. It is a very auticality. Another man picked up a 37 lbs. lump of gold on the same ground

HOKST LUMP YET is one reported to have been taken out at the

diggings, worth \$20,000.
mday, 13th inst., a lump of pure gold, weighing 8 lbs., was dug ian Gulch, near the Stanislaus. The claim is owned by a company of five. day they washed out 6 ozs.—an average day's yield.
dinary yield at the Colorado diggings, in Mariposa, is from \$16 diem, to the hand. In some instances the yield reached \$100 per day, and

The ordinary yield at the Colorado diggings, in Mariposa, is from \$16 slip or dism to the hand. In some instances the yield reached \$100 per day, and see chim \$250 per day.

In consequence of having a copious supply of water, the miners in Shasta such have recently taken out an unusually large amount of gold dust.

At Dry Crock, Yuba County, a considerable excitement has been created the discovery of new and very rich diggings.

CREENING NEWS PROM MARIPOSA.—A correspondent of the S. J. Religion, witing from Hor intas, under date of Feb. 17, says:—"We have plenty of his my grambling about hard times, searcity of money, &c. The Canal Company is not grambling about hard times, searcity of money, &c. The Canal Company is a large supply of water in their ditch, and the miners are able to work in places at since have never been disturbed by pick or shovel. Some companies are making high a special properties of the share; others from \$12 to \$20, and but very few are aimly less than haif an ounce per day. And yet, but comparatively a small portion the mining ground in this vicinity is being worked. Business is reving in Stockton, very team were leading at one time on the Levee yesterday morning for the mines. The Mariposa Chronicle gives a very favourable account of mining operious in that county since the late rains, which have started the water in most of the sall raines. The entire vicinity of Colorado Camp is proving rich, the average slid being at this time from \$16 to \$20 per diem to the hand. In some instances it erached \$100 per day. Forney and Chatfiel's claim is paying an average of \$250. the claim of Moore and Marshall, at Sherlock's Creek, yielded in one week \$1100 to hapting, clear of all expenses. The gold is found on a ledge of quartar, which is reched by drifting a distance of about 150 feet. Some specimens in pure gold, religing over \$800, were exhibited. The miners on Agus Fria Creek are said to be pally prosperous.

is again of orthogonal austaines of about 19 feet. Some specimens in pure gold, eighing over \$600, were exhibited. The miners on Agua Fria Creek are said to be gally prosperous.

EXTRAORDINARY RICH DIGGINGS.—A correspondent of the Union, writter from Yankes Jim's, under date of Feb. 13th, says:—"The richest diggings prosperous significant of the control of the Union, writter from Yankes Jim's, under date of Feb. 13th, says:—"The richest diggings prospered. The first company which located claims there has run a tunnel or drift, and six shafts in proving their claims, which resulted in raising the price of the claims it shafts in proving their claims, which resulted in raising the price of the claims it shafts in proving their claims, which resulted in raising the price of the claims it shafts in proving them. Nincteen ounces have been tachen from a single pan of it. Several other companies have taken up, and two others partly proven their insul. In one a tunnel has been run, at the present terminus of which the gold can seen with the naked eye, as it lays in the dirt, which pays for the depth of 15 feet. For the weeks since shares in this company of 1-10th each were offered for \$400, so they are worth \$5000. In another, lying adjoining, shares are worth \$6000. The measurement of the foregoing companies has a water privilege of \$2000, the others are to the rand rich diggings near these, from all of which will be also the present season immense sums of gold. At Forest Hill, too, east of us, from \$90 to \$1000 are daily extracted. Two months since these claims, which to-day said not be bought for less than \$100,000, were offered, I am told, at \$12,000.

The Grass Valley Telegraph of Thursday, after speaking favourably in gemisters of the money market, stated as follows:—"Creesus Minguiness of the prospect of the prospect of a speedy and water of the hill, the whole extent of which is supposed to contain deposits as rich, or the fight of the prospect of

Southampton on Tuesday. Her dates are—Sydney, Jan.
Vincent, 31st. Amongst the cargo was 73,344 ozs. of
a, at the Geraldine Lesd Munes, the smelting processes
a satisfactory results. The lead ores at the mines have
te analysis to return nearly 80 per cent.; but the yield has
tandard. There had been lately a slight change for the
teo of 42 tons 16 cwts. of ore was only 16 tons 12 cwts. 3 qrs.
tt.

ortant discovery has been made in the neighbourhood of Lune-nover, of a deep stratum of quartz sand, about 4 ft. below the surface, and and to contain quicksilver in the proportion of nearly 1 lb. of that metal oot of the sand. The authorities have taken the necessary measures for is valuable, dis

# LITERARY NOTICE.

ial Products of the Vegetable Kingdom. By P. L. SIMMONDS 00.—London: Day, Carey-street.

five month.

he quarry and y opinion that the patients and judicious; will enable seems. Water have broad in the the patient by the first

one level, sal schuse better is y—about 10 of taste their ope sat as in all sile of capital, the

he had take services he las the first time. The late loss

# Mining Correspondence.

# BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—The loade in the 120 fm. level, east of Field's engine-ahaft, has a better appearance since last reported on, and the water flowing more; by this we hope the water will soon be drained off No. 1 winse, sinking under the 110-the lode in this winze is worth for copper ore 2000, per fm. The 110 is communicated with Fryer's shaft; the south lode in the same level is worth for copper ore 151, per fm. No change in any other of our tutwork operations since the last report. The tribute department looks well. The new engine will be set to work next week.—MATRIEW WRITE: April 17.

ANGARRACK CONSOLS.—The operations up to this time have been confined to two points,—viz., in the north-west and south-east. In the former a shaft has been sunk, and a leved driven east on Mellinoweth Lode about 70 fms. It is from 1 to 4 ft. wide, and is composed of quartz, capel, iron pyrites, blende, and spots of yellow copper ore. There is another lode about 20 fms. north of the Mellinoweth lode; it is 2 ft. wide, and underlaying north about 5 ft. in the fm.; it is composed of quartz, amodic, and spots of yellow copper ore. In driving the adit level south, several lodes were intersected of a very promising character, having good bunches of copper, lead and ith. These lodes are marked 4, 5, 6, and 7, on the plan; and to the south of them is another large lode called the Trungle lode; it has very encouraging prospects, underlaying north about 2½ ft. in a fm. This lode at the depth of about 40 fms. will run through the whole length of the Angarrack Consols Mines. In the eastern part of the setts called Cold Marbour, an adit level is being driven north to intersect the Mellinowth load, which it is expected to reach in about 10 fms. from the present end. Cold Harbour shaft is sunk to the adit level, which at this point is 10 fms., from the surface. A tin lode was intersected in this shaft, underlaying south from 3 to 4 ft. in a fathom. A level has been driven east, on the course of this lode about 40 fms., and has p

nature as we set in the box of native copper, underlying north towards the lode.—
W. Thomas: April 17.

AUGUSTA CONSOLS.—The ground or stratum at the engine-shaft is changing to a light blue killas, with branches of spar, containing good spots of yellow ore, which speaks well for our 25 fm. level. I hope there will be no time lost in reaching this level, and cross-cut to all the lodes, when I think Augusta Consols will certainly take a higher stand in the market. There is no alteration to notice in the 15 fm. level east since last report.—A. Brav.

BALLESWIDDEN UNITED.—We have sunk 2 fms. in the engine-shaft; this will be all we shall sink in this shaft for some time. We shall now work down this high ground going to the flat-rod shaft with all speed, and with as many men as we can set to work. In the flat-rod shaft we have found a level going cast of the shaft, and also an arch of whole ground, which is producing good stones of tin; this ground we shall now work while we have the advantage to do so, knowing it will more than pay; and our shaft will be down in time for the stopes to go under the 20 fm. level with all speed. We are clearing up the River shaft, which is now down 14 fms. from the surface; here we have nine men on tribute, and we shall clear up to the 20 fm. level as fast as possible, where we expect to find more ground for tribute. We shall take up this shaft to the 20 fm. level, and other places we have found; we expect to find tribute ground here on the flat lode. Our prospects here are ever great, and the season of the year is in our favour for clearing up this mine, which there shall be no time lost in doing.—H. Muenkett. April 18.

BAT HOLES.—The Cornish lede in the 80, driving south, is 1½ ft. wide; the par is of mexiciant of the partition of

in doing.—H. MICHELL: April 18.

BAT HOLES.—The Cornial hode in the 60, driving south, is 1½ ft. wide; the spar is of a promising appearance. We anticipate this end to be near a branch that is in that direction, it having diverged from the California lode, when an improvement may be reasonably expected. The wood lode in the 48, driving south, is 6 ft. wide—a mixture of spar, carbonate of lime, and spotted with lead ore; ground hard for driving, but showing a change for the better both in the lode and the character of the stratum. The tribute departments, both on this and the California lode, are without any material alteration.—W. Banaarr: April 19.

BEDFORD UNITED.—The lode in the 115 fm. level east is 3 ft. wide, and yielding 4 tons of ore per fathom. Paull's stopes in this level are worth 3 tons, and Jeffery's ditto 8 tons, of ore per fathom. The 163 fm. level is looking very promising, and the lode yielding about 3½ tons of ore per fathom. There is no alteration in any other part of the mine.

J. PHILLIES. April 19.

BIRCH ALLEE.—The end in the 40 fm. level south at respect to the state of the state of the mine.

ditto 8 tons, of ore per fathom. The 163 fm. level is looking very promising, and the lode yielding about 3½ tons of ore per fathom. Jackson's stopes in this level are worth 6 tons of ore per fathom. There is no alteration in any other part of the mine.—J. PHILLIPS: April 19.

BIRCH ALLER.—The end in the 40 fm. level south at present is not quite so rich as it was, although a very kindly one indeed, producing good saving work; I am of opinion that it will shortly make again—a more regular and well-defined lode cannot be seen. In driving this level lately we have, according to appearances, opened a good piece of ground. The winze below the 30 fm. level south is looking well; there is at present in the bottom of it a good lode, yielding from 10 to 15 cwts. of lead per fathom, and I think by the latter part of next week we shall hole it with the 40 fm. level, when it will lay open a good piece of orey ground. The pitch in the back of this level is looking yery well, and the tributers are earning good wages. The south end in this level is looking, I think, better than I have seen it for some time; there is in the present end a pretty branch of a clear white barytes, sprigged with lead and mundic, and appears to me to be the back of a good lode. Pye's shaft, sinking below this level, is going down in good ground, which will come in with the western or principal part of the losie in a few fathoms further sinking, when I am strongly of opinion we shall meet with a good lode. The prospects of the mine are looking capital—in fact, I fancy that I almost see an improvement every day. The dressing pare are clearing as fast as they can, but they are not sufficiently numerous to keep pace with the underground men, whom we are increasing as fast as we can make room for them on the floors. The engine, and all the machinery connected with the working of this mine, are doing very well, but we have not water enough to draw all the stuff and clean the lead, and I am obliged to creet a horse-whim on Pye's shaft.—Good. R. Odokus: Ap

The lode in the tribute pitch east of Halket's shaft, on Widden lone, is a more warring that no such work as the one under review.

It is agriculty that no such work should heretofore have appeared; for the only one between the state of th

CALLINGTON.—Kelly Bray Lode: The lode'in the 80 fathom level east is 4½ ft. wide, composed of mor-spar, mundie, blende, and yellow copper ore, yielding full 3 tons of the latter per fin., worth 7/5 per ton. The wince in the bottom of the 70 fm. in the latter per fin., worth 7/5 per ton. The wince in the bottom of the 70 fm. level, so that there are about 4½ fms. of unexplored ground between the 80 office a speedy communication. The lode in the 70 fm. level east is sunall, and unproductive at present.—Level Lode: The foods in the 70 fm. level east is sunall, and unproductive at present.—Level—shaft, is 8 is. wide, composed of coppel and o'count-house shaft, is 9 in. wide, composed of soft spar and lead ore, saving work. The lode in the 20 fm. level, south of incline-shaft, is 1s. wide, composed of coppel and price, composed of soft apar and lead ore, laying open moderate tribute ground. The lode in the 16 fm. level, south of incline-shaft, is 3 in. wide, composed of soft apar and lead ore, laying open moderate tribute ground. The lode in the 16 fm. level, south of incline-shaft, is 3 in. wide, composed of soft apar and lead ore, laying open moderate tribute ground. The lode in the 16 fm. level, south of incline-shaft, is 3 in. wide, composed of soft apar and lead ore, laying open moderate tribute ground. The lode in the 16 fm. level is soft to the 40 fm. level by the next setting-day, and wait your orders about the pit work mansed in a former communication. The pitcheoxy; and wait your orders about the pit work mansed in a former communication. The pitcheoxy is a soft of the further water from the tin lode; this cross-cut is progressing favourably. The water is in fork in the two engine-shafts. The machinery is in good working rotter. We will clear up as much tin as possible against the next pay, and will thank you for orders as to where your tin shall be sold.—J. KRINICK; W. COOK.

CLARA.—The new engine-shafts, which will will be accountly the about 10 fm. 10 fm. lovel, and the pitcheoxy is a sold of the lovel

progressing satisfactorily.—John Tiewverk: April 19.

CWM DARREN.—Last Saturday was our setting and pay-day. The engine-shaft below the 39 was set to six men, 2 fms, or the month, at 12°, per fathom—not takes. The 30, west of engine-shaft, to four men, 3 fms, or the month, at 6°, per month—taken this morning, in appearance just as last reported. The winze in the bottom of the 20, west of engine-shaft, to six men, 3 fms, or the month, at 7°. per fm., worth for copper 16 to 18°, per fm.; the stopes in back of the 20, west of Jane's rise, to four men, 6 fms, or the month, at 3°. per fm. worth from 18°. to 20°, per fm. The stopes in bottom of the 10, east of Jane's rise, by four men, 6 fms, or the month, at 2°. 10s. per fathom—not taken, worth from 16°. to 18°, per fm. We have commence clearing out some old workings that have not been worked for a great number of years, about 150 fms, east of the engine-shaft, and by the appearance of the stuff drawn to surface, and what we can see of the lode, there is every reason to believe that when we have cleared out these workings this part of the mine will prove very productive. We have found some good stones of lead ore in clearing up one of the old shafts, some of them weighing as much as I cwt., and more than half ore.—R. SANDERS: April 17. DEVON BULLER GREAT CONSOLS.—I have set Emma's engine-shaft to sink

surface, and what we can see of the lode, there is every reason to believe that when we have cleared out these workings this part of the mine will prove very productive. We have found some good stones of lead ore in clearing upone of the old shafts, some of them weighing as much as I ewt., and more than half ore.—R. Sanders: April 17.

DEVON BULLER GREAT CONSOLS.—I have set Emma's engine-shaft to sink in the 20 fm. level by 12 men, at 18% per fm. I have been watching the sinking of the water in the shaft. I am also making every preparation to let tribute pitches, as opportunities may offer. I let one pitch to a pare of men on Monday, at 8s. in 1/.—M. Stepriss: April 19.

DHURODE.—The lode in the end of the winze at the adit is 4 feet wide, containing a branch of ore 8 in. wide, and the ground very favourable for driving. In the cross-cut north, at the deep adit level, we have intersected several branches of quarts, containing mundle and spots of yellow ore; these branches I consider are droppers from the lode. Judging from the nature of the ground, and the oxides of gossan and water issuing from the end, are strong evidences that we are near the lode. In extending on the south caunter, we have intersected some branches of gossan and quartz, of a highly mineralised character, and producing rich stones of ore. I expect shortly to intersect one of the main cast and west lodes, where I hope to meet with another good bunch of ore. In the western end of the new winze the lode in the stopes is 10 ft, in breadth, producing branches of ore from 10 to 18 in. wide. In the bottom of the winze the lode is 8 ft, wide, containing ore throughout of a permanent character; as soon as the stull is completed, we shall commence sinking under the deep adit with all dispatch. I expect to have the new stamps put to work in a few days.—C. Thouse: April 17.

DUNSLEY WHEAL PHORNIX.—The lode in the castern adit is still produce good work for first part of the lode from 4 to 5 fms.; the lode before the last 3 feet driving by wheal eventual

EAST WHITE GRIT .- There is no alteration since my last in the 40 fa south. In the Shelfield level we have reached the back of the lode, with is about 18 ft. wide, with some small shoots of white ore running through, but we have made no trial upon it, as we are close upon another lode, towards which the men are driving with all possible speed.—R. P. EDELSTEN: April 19.

EXMOOR WHEAL ELIZA.—Owing to dry weather there is very little water to work our engine, consequently we have enought to do to keep the 36 fm. level in fork. Several of our men are gone away, and only those two places in the 36 and 24 fathom levels, recommended for trial at the last meeting, are now being worked. In the former the ground is moderately easy; we have the flookan regular: six men are employed here. In the latter Moore's hranch is 9 in. wide, composed of goesan and mundle—ground hard; this is also driven by six men.—W. Dunstan: April 19.

GORN LEAD.—In going forward with the sait end the hole continues in an un.

mundic—ground hard; this is also driven by six men.—W. Dunstan: April 19.

GORN LEAD.—In going forward with the adit end the lode continues in an unsettled state. We have before us a long tract of virgin ground, which we are going to try by costeming, as it is far cheaper than extending the adit end, and will make sfair a trial of the lode as driving the end. I hope in so doing we shall meet with something satisfactory.—R. MAYNARD: April 18.

GREAT CRINNIS.—Our sumpmen are still clearing out the 80 fm. level as fast us we can discharge the stuff with horse-whims. I cannot tell as yet the extent of this level, but so far as I have examined it I find the lode large, and of a promising character. The men are still uncovering the middle lode in the 24 fm. level. In driving east of Cornish's shaft in the 10 fm. level, on the north part, we have a good prospect; this boing in whole ground will probably lead to new shoots of ore. The stopes and tribute pitches are producing silver and coppor ores just as for some time past. I consider the general festures of the mine equal to my expectations, % being only 10 months since we commenced pumping the water.—J. Wass: April 17.

GREAT REWAS UNITED.—Saturday last being our general monthly setting, we set to the summents to cut ground and fix the third plunger-lift in the 66 fm. level; Northey's shaft to complete to the same level. We have had two cross-cruts driving south at Northey's, one in the 46, the other in the 36, to intersect Hewas tode, which has been worked last by the old workers, and the back of the 36 to stope on the lode, also some of the old levels to clear and secure. The engine-shaft is still full of rubbish, but how deep it will be found we cannot tell, the other shafts being sunk on the course of the lode (which is nearly all taken away), and has caused the timber to give way, so that hitherto we have found them in a delapidated state; these being important shafts, we are making them very secure, but it requires plenty of timber, and great care to be taken. We are raising plenty of tinstoff from the stopes in the esstern part of the mine, and from the discoveries made of late, gives a prospect of doing 36 for years hence. We have all force employed that can work to astwards about the new steam stamps, which will be got to work as soon as possible. We have six tribute pitches gleaning the old workings, and shall soon be ready to set more. We are laying out extensive and commodious dressing-droors; on the whole, our operations are going on very eatisfactority.—J. Wirm: April 18.

GREAT SHEBA CONSOLS.—We have commenced the 30 fm. level west from the whim-shaft. The lode in the stopes continues to yield about 4 tons of ore per fm. In the 40 fm. level west we have not yet reached the ore-hearing part of the lode—the capel being hard and troublesome to get through. We have about 30 tons of ore at surface towards the next sampling.—T. Richaras: April 19.

GREAT TREGUNE CONSOLS.—We have got through the hard granite, and are sinking on the course of the lode at Hobler's shaft, and although we have only sunk a foot or two, yet the lode lost improved, and we occasionally break some good stones of tin; we daily expect an improvem

tioned.—Henry Rawson: April 19.

HAWKMOOR.—The lode in the 30 fm. level east is 3 ft. wide, producing 2 tons of ore per fm.; the present end has a very promising appearance. The ground in the 30 west is more favourable for driving than when last reported, but no material improvement in the character of the lode. The lode in the 10 fm. level east is 18 inches wide, producing small portions of ore; but we do not expect a regular course of ore till we get out of the limbs of the cross-course, as in the 30 fm. level. At Graham's shaft, the lode is 2 feet wide, but not much to value. The shaftmen are now cutting a clustern plat below the 40; the ground is hard. At the old miners shaft the lode is 2½ ft. wide, producing ore in places, but not regular. We are making good progress in cutting down the ensiern shaft, and shall push this work to communicate to these as fast as possible. The engine work is in good order, and the mine all in fork.—John Kernick; James Richards: April 17.

HAYTOR CONSOLS.—Since my last report our men have sunk about 8 ft. in the

KERNICK; JAMES RICHARDS: April 17.

HAYTOR CONSOLS,—Since my last report our men have sunk about 8 ft. in the engine-shaft, having been delayed some days in fixing the tye lift; the lode retains its size, and produces saving work. The progress of the men in the west end has, so far, been slow; they have not advanced much more than a fathom for the last fortnight; but the end is now in a better state, and they anticipate making greater progress in future. The water has been in some days, in consequence of the leak referred to in my letter of the 18th. The men working in the back of the 19 fm, level have broken some good work. The leader of tim in the sink on Lord Craunston's lode is about 2 in. wide, very rich. The men are getting on very well with clearing and repairing the level at Wheal Virgin.—Grong Brinkerts: April 20.

HENNOCK,—In the 30 fathom level south the lode is becoming softer, producing

about 2 in. wide, very rich. The mean are getting on very well with clearing and repairing the level at Wheal Virgin.—GRONG BENESETTS: April 20.

HENNOCK.—In the 30 fathom level south the locke is becoming softer, producing spots of lead; there are also soft strings of spar and prian, sprigged with lead, in the kilias by the side of the lode. We are now engaged in putting in air pipes, and time-bering this level, which will be completed in a few days. The lode in the adit level, couth from south-west shaft, is 3 ft, wide, composed of soft sugar spar, prian, and barytes, with good stones of lead. Having lost all its hard capels, it has thrown quite a new feature on that part of the mine. The lode in the 18 fathom level, south from south-west shaft, is 3 ft, 6 in. wide, and changing its character fast, producing sprige of lead. We have 15 fms, more to drive before coming in under where such a decided improvement has taken place in the adit level above. We shall commence outting a plat and simking for the 30 as fast as possible, as our drawing machine will be ready in a few days. Judging from the indications we have now before us at the south part of the mine, there is every prospect of good success.—H. Rickard: April 17.

HILL BRIDGE CONSOLS.—We are still breaking tin of excellent quality, and clearing up the old workings, the attle of which is good stamps work; but in consequence of the want of water, we can only work three heads of stamps; our first batch of tin will not, therefore, be ready before the 26th of this month.—J. Scansoo. HOPE VALLEY.—The engine-shaft is in course of sinking below the 35 fm. level, driving south is 3 ft. wide, interspersed with lead ore. The lode in the 35 fm. level, driving south in 3 ft. wide, interspersed with lead ore. The lode in the 35 fm. level, driving south in 3 ft. wide, interspersed with lead ore. The lode in the 3 fm. level will produce 1 ewes of lead ore feer fm. The lode in the stopes in the bottom of this level will produce 7 ewts per fm.; and that in the bottom of th

per fm.—W. Barratt: April 19.

IRISH CONSOLS.—The 20 fm. cross-cut, north from trial shaft, is in gray elvan, compact quarts, and killas, spotted with numble and yellow copper ore, the appearances of which are very encouraging. I hope the north wall of the lode will be reached in the course of a week or ten days; driven during the past week 5 ft. The junction shaft is sunk since my last about 3 ft. 6 in. The ground is getting more settled, and I am happy to inform you that I detected spots of strong yellow copper ore in the bottom of the shaft yesterday, which proves to me that in all probability the results here will be satisfactory—in fact, the congenial nature of the ground warrants the expectation. Colleras adit west has been driven during the week 3 fm. 2 ft. 5 in.; ground the same as last reported. At the new shaft under the adit the penthouse is put in, and the men hard at work. I expect the new whim on this shaft will be at work in a fortnight. Every department is pushed on with vigour, and the greatest activity prevails.—H. Thomas: April 11.

IVY BRIDGE SILVER-LEAD.—All the works are progressing very vigorously.

and the greatest activity prevails.—H. Thomas: April 11.

IVY BRIDGE SILVER-LEAD.—All the works are progressing very vigorously. We are getting on with the engine-house with all possible speed. We have timbered and secured the old shaft in readiness for dropping in the new pitwork. The new shaft is sinking by six men—ground very lavourable.—M. DUNN: April 20.

LA MIN.—The lode is much the same as last reported, of a very promising character, with a little ore. On saturday last we set the engine-shaft to sink from the 20 to the 20 fm. level or 801.—H. STEPHENS: April 19.

LANGFORD AND BARING.—Since my last report, Dare's shaft has been sunk 2 ft. 5 in., and we are now 8 ft. below the 20 fm. level. From the stopes in the back of this level, during the vast week, we have broken three bags of silver ore, of moderate quality; also a few curts. of silver-lead. The copper lode at this point is poor, and not much worth saving a tpresent. The tribute department is without any particular alteration at Baring during the past week. We have driven on the course of the lode about 4 fms. west of the shaft, which is still principally composed of flookan. The piece of oak is taken down for the capstan axie, and I hope to have the same on the mine by Saturday, the 22d inst.—W. KNOTT: April 20.

LEEDS TOWN CONSOLS.—In the cross-cut, south of the engine-shaft, the ground

the mine by Saturday, the 22d inst.—W. Kworr: April 20.

LEEDS TOWN CONSOLS.—In the cross-cut, south of the engine-shaft, the ground is a little more favourable. The cross-cut is not fater or shaft is without alteration. We hope to cut Binner Wood lode in the 29 fm. level next week. In the 25 fathom level east and west the lode is large, consisting of whitelead, blacklead, yellow ore, brint, and indeed every indication of the proximity of tin; this we expect to find at the intersection. We have to-day resonmed the driving of the 10 fm. level west, and also the adit end west, as, having completed the winnes, both levels are now rentificated. In the 10 fm. level east the lode is 1 ft. wide, with tin, not rich, but kindly. In the adit end east the lode is small; we have about 8 fms. more to drive to get to the spot under which we found the tin in the level below.—F. PAROE: April 18.

LEWIS.—Since my last report, we have by sinking and rising communicated tin shaft to the 100 fm. level, and are now drawing from bottom.) The south lode in the rise in the 100, cast from copper ore shaft, is 1 foot wide, producing stones of tin. The north lode in this level, east from tin shaft, is in unsettled ground, by the intersection of the flookan, on which we are driving south to intersect the south lode; we calculate in about 7 fms, which I hope to have accomplished in the early part of next month: from the ting round gone down in the level above, I look forward to this asa very innortant point. The south lode in the 90, east from tin shaft, is 2 feet wide, worth 100, per fm.—M. REED.—The lode in the 10 fm. level, east of engine-shaft, is 4 feet wide, yielding at present k top of lead one we have the state.

worth 10%, per fm.—M. Reke: April 17.

LOVEDEN UNITED—The lode in the 10 fm. level, east of engine-shaft, is 4 freet wide, yielding at present ½ ton of lead ore per fathom; a stope in the back of this level, east of shaft, is producing 8 ewts. of lead ore per fathom. A stope in the back of the add tevel, east of shaft, is producing 8 ewts. of lead ore per fathom. The lode in the 10 fm. isvel, driving west of Penybank shaft, is 4 feet wide, yielding 12 ewts. of ore per fathom; the same level, driving east of shaft, is in a lode 5 feet wide, and producing 1 ton of ore per fathom.—8. Tarvethan: April 19.

MOLLAND.—In the 62 cast we have a farme stone lode full 4 feet wide, and

of ore per fathom; the same level, driving east of shaft, is in a lode 5 feet wide, and producing I too a fore per fathom.—8. Taxvethan: April 19.

MOLLAND.—In the 62 cast we have a large strong lode full 4 feet wide, and though not quite so ovey as last week, yet is still a kindly lode, worth 64. Per fathom. The lode in the 52 cast is 1½ ft, wide, with a small leader of ore on the south adde 1 in, wide. The lode in the wince sinking below this level is full 4 ft, wide, worth bout 63. Per fathom. In the atopse in the back of this level we have met with a slide which has disordered the lode a little, and consequently is not so productive as last week, though I expect the lode will improve again; its present value is about 7. per fathom. In the stopes in the back of the 42 cast no lode has been taken down since last week. I extinate the ore we now have at surface to be about 32 tons—19 tons dressed and 7 undressed, or in the course of dressing, waiting for the crusher. In consequence of the very dry season, our water has fallen off, so that we have not had sufficient to work the crusher for the last two or three days; however, we expect rain shortly, when, no doubt, we shall have sufficient water again for all purposes.—I. Brownia: April 19.

MCUNT'S EAT CONSOLS.—The engine-shaft is sunk 4 fms. below the 25 fm. irvel ground favourable for sinking, and set on Saturday last 1 fm, at 344. The cross-cut driving aborth of the engine shaft is driven 9 fms., and set 2 fms. to drive by 6 men, at 84 per fm.—J. Richarans: April 18.

NANTEOS AND PENERIUM.—At Penrihw, the stopes in the 64 fm, level, 6 fms. west of shaft, will yield from 4 to 5 cwts. of ore per fm; the lode in this level, east of shaft, is 6 feet wide, composed of mundic, quartz, blende, and carbonate of lime; 3 feet of this lode is oft. or 7f. wide, composed of mundic, quartz, blende, and carbonate of lime; 3 feet of this lode is oft. or 7f. wide, composed of mundic, quartz, blende, and carbonate of lime; 3 feet of this lode is 0 ft. or 7f. wide, composed of

all of the state of

per fm.; the stopes over this level, 20 fms. east of shaft, will yield from 7 to 8 cwts. of are the fm.; the winze sinking in the bottom of this level, 20 fms. east of shaft, is much the same as last report: on account but little.—P. Hoofer: April 17.

but little.—P. Hoofes: April 17.

NORTH BASSET.—In the 102 fm. level, driving west of the new shaft, the lode is 3 ft. wide, worth 301, per fm. In the 92 fm. level, driving cast of the new shaft, the lode is 3 ft. wide, worth 301, per fm. In the 92 fm. level, driving cast of the new shaft, the lode is 3 ft. wide, worth 31, per fm. In the 32 fm. level, cast of the new shaft, the lode is 3 ft. wide, worth 31, per fm. In the 52 fm. level, cast of the new shaft, the lode is 3 ft. wide, worth 31, per fm. In the 52 fm. level, cast of the new shaft, the lode is 3 ft. wide, worth 31, per fm. In the 52 fm. level, cast of the new shaft, who level is 10 ft. level, driving west of Lyle's shaft, we have out into the lode about 2 ft.; it is composed of grey and yellow ore, mixed with fluor-spar, worth about 201, per fathom.—Tsomas Gtanvillas: April 13.

NORTH LEVANT.—We effected our sales of tin on Friday, which amounted to 2874, 193, 104. We have an improvement in the middle adit end, on Borlase's lode, which is at present worth 345, per fm. The lode is the stopes in the back of the same level is worth 34, per fm. The course of tin on the Old Carbona is 10 ft. long, worth 30, per fm. In sinking under the middle adit, on the New Carbona, the lode is 15 in. wide, and the quality of the stuff is improved for tin.

13/2 fm. below the adit; we find the lode removed. The old miners sunk a wince 5 fms, west, and drove a level and stoped the ground where we are ainking, in consequence of which we cannot tell the size and quality of the lode. We have not yet cut Borlase's lode in driving our cross-sut north from the engine-shaft.—James BERNETE'S April 10.

NORTH TOWY.—In the engine-shaft the ground continues favourable for sink-

BENETTS: April 10.

NORTH TOWY.—In the engine-shaft the ground continues favourable for ing. We have intersected two branches of spar, with spots of lead. The lode adit is looking kindly.—W. H. REYNOLDS: April 15.

ing. We have intersected two branches of spar, with spots of lead. The lode in the adit is locking kindly.—W. H. REYNOLES: April 15.

NORTH WHEAL ROBERT.—Since last week we have communicated the rise in the back of the 52 fm. level with the 42 fm. level, which has given us good ventilation to drive the 62 fm. level with the 42 fm. level, which has given us good ventilation to drive the 62 fm. level with the 42 fm. level, which has given us good ventilation to drive the 52 fm. level was and also to resume the sinking of the shaft. The 42 fm. level, driving west, is at present poor; the stopes in the back of this level are looking well, and yielding 2½ tons of good quality ore per fathom. At the cross-cut driving south, in the 29 fm. level, we have intersected a very strong lode, from which there is issuing a great quantity of water, and, as far as we have seen, the lode is composed of capet, spar, and mundie. I hope to give you more particulars in my next. In the end driving west the lode is very promising, being about 3 ft. wide, saving work; at the rise in the back of this level the lode will produce 1 ton of good ore per fathom. We are driving two ends, one north and the other south, at the trial shaft, on the western ground. We anticipate to cut the Sortridge lode south in about a fortnight or three weeks; I believe the indications at the place warrant good results.—A. Pavon: April 18.

OAKELEY (Mausoxxxi).—In sinking No 3 pit we have come upon a chamber of large dimensions, which appears to be old Roman work; and on clearing to the bottom, about two fathoms deep, we have turned up some old timber, asile, and stores, carefully kept, which proves that they have been worked for gold, as no other ores are visible in the end or in the sinking since my last report; but, on the whole, the mine looks well to yield a quantity.—E. Rozexxx: April 16.

— The end driving cast is hard quarts, in z strong lode 6 feet wide, containing spots of mundic, copper, &c. The shaft is at present going down but slowly; the lode is c

are R. Roberts: April 18.

OLD TREWETHER CONSOLS,—The stope in the back of the 20 fathom level, 3 fms. from the shaft, is greatly improved, producing good ore; the stope further south in the same level is not looking so well. The stope over the old bottoms is greatly improved, producing good ore. The fore in the back of the 27 is improved, producing excellent stones of ore. The stope in the back of the 27 is improved, producing coo ore. We brought to surface, westerday, from this back a stone of ore 483 lbs. weight. We have holed the rise from the 27 to the 20 fm. level, which will give ventilation to the south part of the mine. We shall now be able to put men to work in several places to break ore, which we could not do before. We shall complete fixing the house water-lift this week, when we shall put the shaftmen to sink immediately.—Wheal Rose: We are still progressing as usual, without any material alteration.—Wheal Thomas: There is no alteration since last report. We have suspended the stopes in the back of the level for the present—having taken the men to break antimony. The dressing department we are still pushing on as usual.—R. Verran; S. Krast: April 19.

NEMBER 2 April 19.

PENCORSE CONSOLS.—The 20 end west is now extended 43 fms. from captine-shaft; the lode is 3 ft. wide, not looking so well as when last reported, we have about 11 fms. more to drive to get under the rise of ore in the adit level. The west shaft is now down 6 fms. under adit; the lode is 2 ft. wide, still producing some juck: we have a little water, which is rather impeding our progress in sinking, we are now paying 34, per fm. The cast shaft is progressing favourably; the lode is about 18 wide, composed of flookan, spar, and jack. The parcel of jack will be shipped at New Quay, for Swanses, in the course of about 10 days. To-morrow we intend to commence sinking a sint on the north part of the nine, to explore the lode, from which good stones of lead have been found near the surface.—J. Darx; J. Enwards.

mence sinking a shaft on the north part of the mine, to explore the lode, from which good stones of lead have been found near the surface.—J. Dalz, J. Evwalds.

FENHALE CONSOLS.—Engine Shaft: We hope to complete sinking this shaft down to the 89 fm. level in the course of a week; ground still hard; lode 1 ft. wide, producing 3 cwts. of ore per fm. In the 70 fm. level south the ground is moderate; the lode as present small and poor.—Moream's Shaft: In invining the 70 fm. level north the ground is good; lode at present disordered by a cross-course, and split into four branches; apparently, as we advance further north, these branches will again intersect each other; the end is now producing 2 cwts. of ore per fm. In the 50 fm, level north the ground is good; lode 1 ft. wide, producing 10 cwts. of ore per fathom. In the 35 fm. level north the ground is good; lode 1 ft. wide, producing 2 cwts. of ore per fm. In the 150 fm. level north the ground is good; lode 1 ft. wide, producing 2 cwts. of ore per fm. In the rise in the back of this level the ground is good; lode 1 ft. wide, producing 3 cwts. of ore per fm. In the rise in the back of this level, and the 45 fm. level south the ground is moderate; lode 2½ ft. wide, producing 3 cwts. of ore per fm. In the rise in the back of this 25 fm. level, about 8 fms. further south than the above, the ground is good; lode 2 ftet wide, producing 5 cwts. of ore per fm. The tribute department is without alteration since our last report. We sold this day 50 tons of ore to the executors of the late J. T. Treffry, Esq., at 15t. 6s. 6d. per ton.—B. Moreons: April 17. PENLLYNE COURT.—Twelve men are engaged at the engine shaft cautting plat, for., and drawing stuff, as per contract, reported last week, which will be finished by Saturday; we shall then begin to aim with all speed. The west shaft is improving daily; it is now 66 ft. from surface; the lode is more compact, composed of barytes, prian, and suterspersed with lead, which will yield it ton of ore per fm. The engine continues to

prian, and interspersed with lead, which will yield I ton of ore per fin. The engine continues to work admirably, but the supply of water is still very short, which related our dressing operations.—J. Gairrites: April 20.

PENTIRE GLAZE AND PENTIRE UNITED.—The lode in the stope south of Pope's winze, under the 22 fm. lovel, is about 6 ft. wide, good saving work throughout, worth from 50f. to 60f. per fm.; in this stope the lode is very hard, and trouble-some to explore. The lode in the stope north of Bennett's winze, under the 22 fm. level, has greatly improved since last report, being at present worth full 80f. per fm., with overy appearance of the shoot of lead dipping north. The stope in the back of the 22 fm. level (directly over the bunch of lead north of Bennett's winze), south of ladder winze, is much improved for lead and copper since last report; the best part of the lode is standing to the west, or in the hanging wall; we shall cut through this part of the lode during this week. The other two stopes in the back of this level are without alteration since last report. No alteration in the tribute department, nor in any of the tutwork bargains. The last of the castings for the new stamps, with the exception of stangs heads and lifters, were brought yesterday. The frame is completed, and we have commenced fixing the horses for the axis to work on. We shall loose no time now in erecting the stamps, and putting them to work. On Saturday last we shipped 52 tons 17 evits. 3 grs. of silver-lead ore, purchased by Mesers R. Michell and Son, on the 6th inst., at 221. Iss. per ton. We expect to sample in the course of a week, at Wadebridge, computed, 30 tons of copper ore of fair quality.—John Karsbook: April 18.

PENZANCE CONSOLS.—The 24 fm. level, west of engine-shaft, is set to three mea, at 55. 36. per fathom, and 10s. in 11., and also to have 31. per fathom for 2 fathoms of ground in the back of this level. Our prospects in this level are just as last reported. The 24 fm. level, east of engine-shaft, is set w

DINNICK: April 10.

PERRAN CONSOLS.—The engine-shaft is sunk 3 fms. below the 40 fm. level, and set on Saturday last 2 fms., at 177, 10s. per fm. The 40 fm. level is drivan 21 fms. west of engine-shaft, and set 4 fms., at 40s. per fm. The rise in the back of the 40 fm. level, on the north lode, is risen 5½ fms., and set 1 fm., at 65s. The 30 fm. level, cast of engine-shaft, is driven 37 fms. and set 1 fm., at 84; and a tribute pitch in the back of the 40 fathom level, on the south lode, to four men, at 8s. in 11.—James Richards; Farners Gunder: April 18.

PERRAN WHEAL JANE.—On examining this mine, I find several lodes traversing the property, running almost in an east and west direction; the gossan has a good appearance, and the lodes are spotted with copper. Some of the excavations below are costed with the green oxide of copper—a congenial testimony for the production of copper. According to the character of this mine, the operations ought to be confined to the sinking of the engine-shaft, and not to waste money by driving shallow levels.—Richard Tation: April 18.

PONTERWYD.—The lode in the 22, cast of the western engine-shaft, has improved within the last few day; it is now 5 ft. wide, intermixed throughout with good branches of ore, of a very promising appearance. I have but little doubt but we shall come act when deed from the area.

branches of ore, of a very promising appearance. I have but ittle doubt but we shall soon get a fine lode from the present appearance. All other parts of the mine are progressing very astisfactorily.—JAME FAIL.

FRINCE ALBERT CONSOLS.—The lode in the bottom has a promising appearance, which I believe to be produced by the changes which have recently taken place in the strata. The lode has been greatly disordered by the intersection of alides from the north, but is now more sattled, and regularly formed, composed of spar, &c., with some priss, which is a good omen; and so far as human foresight goes of the character of this lode, rich deposits of orce will reward the fature workers of this mine. Although the pitwork is awkwardly situated, and the present working shaft in a wrong position, and in a short time will be as useless as an ongine-shaft for the future working a make the standard of the shaft of the states a shaft of the states as the standard of the mine; still ander vastating circumstance, I would advice sinking the present shaft a few sathoms, as I consider the changes in this lode, will stority be of such a character as to warrant an alteration in the constitution of the mine.—Research TATLOR: April 13.

RITTON CASTLE.—We have cut the lode, which crosses a bed of shale; we are now driving along it, and I expect the water in the old working will very shortly be drained. The men are making all possible progress in driving to the wheel-pit lode.

RIX HILL.—The 17 fas. level, west of the engine-shaft, is driven 5 fms., the lode

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with 50 the 50 where work. where work, yieldin for tin for tin for tin for tin 12 in. 12 in. 12 in. 12 in. 2 father the 50.

shaft, where they are raising tinstuff-of fair quality fur-the stamps. One pit working in the back of the 17 fm. level, by two men. The most important feature this mine is the ground west of the 17 fm. level, to a cross-course about 25 fms. of the present end: I think this level's should be ured on war with all possibles believing that profitable ground will be laid open; therefore, I should recommend men being employed in driving it at your next setting.—April 18.

RORRINGTON.—The lode in the deep adit level, driving cast, is 1½ ft. wide, to posed of spar, and letting out more water than usual, which is a favourable indicate; the cross-cut in this level is in about 15 fms. from south lode, and about 4 more to drive to get under Watson's engine-shaft. The south lode in the lad ore; north lode in this level, driving cast, is 1½ freet wide—sulphate of barytes, spotted with lead ore; north lode in the size of the lade o

20 to 30 to get ready. Our sampling will be about 70 tons.—J. Merchanic.

SOUTH BOG.—The men are still getting on very prosperously in sinking it
ground still favourable for sinking; the lode is 2 ft. 6 in. wide, composed of
and quartz; there is still an open cavity in the bottom, with some lumps of
therein. The men are still breaking some good lead ore in sinking and stopic
the 23 fm. level, south of shaft; the lode is 3 ft. wide. with lead ore the whol
for 3 fathoms in leight. I am still lengthening this, both north and south,
good lead ore in each end. I have stopped the men driving the end in the
level, south of winze, as it will not pay for working, and have put the men
the 10% fathom level, where I hope to get some good lead ore. I have put
nord down the winze, and am now repairing the shallow adit level, by two
hope to get the whole of this completed this week. The ground in the new
getting stronger for driving; the lode is 2 ft. wide, with a little water comin
the end. I intend putting down a small pit for ventilation; in this level, say
bad for sir; I intend to commence max week, if all goes well.—S. Moran.
SOUTH GRENVER.—In the 84 fm. level, each of Varnish's, the lode is 1;

bad for sir; I intend to commence next week, if all goes well.—S. Monate,
SOUTH CRENVER.—In the 84 fm. level, east of Varnish's, the lode is 1½ ft,
with stones of copper ore. In the 74 fm. level, east of Carme's, the lode is 15 ft,
with stones of copper ore. In the 64 fm. level, east of Gore's, the lode is 15 ft or
orey ground, very hard in the elvan course. In the 44 fm. level, west of Vanis
the lode is 1½ ft. wide, producing ½ ton of ore per fathom. In the 54 fm, level,
of ditto, the lode is 1½ foot wide, with stones of ore; we calcular,
for the comparance, we shall have a bunch of ore in this each shortly. Night
74 west nor the 54 west have been driven in the past week, in consequence of all
ing the poles at Carace's, nor can we calculate to drive them for the ensuing we
J. Dilerkidge, E. Chrowits: April 17.

ing the poles at Carne's, nor can we calculate to drive them for the ensuing wet. J. Deleridor; E. Criscovits: April 17.

SOUTH DEVON GHEAT CONSOLS.—In the engine-shaft there is no chargenotics. The tode in the adit level has somewhat improved since my last report, we are driving north on the cross-course, and shall commence driving south in a days; these cross-cuts will enable us to intersect and open upon all the todes in sett, at a depth of 50 fine below the surface, where there is great probability one ing with something remanerative. In addition to the above work, we have menced a rise near the cross-course in the adit level, where the lede has a very missing appearance.—J. Cook: April 17.

SOUTH FOLTIMORE.—We have completed the tramway to the end of the lor and have commended to bring out the gossan in a waggon. The lode continuate requirs, and by driving a shallow level, and stoping the back, very large quagior of gossan could be immediately obtained.—E. MAUNDES.: April 18.

SOUTH TOWY.—In the early part of this week we intersected the lode, or a brist of the lode; at the point of intersection it is about 5 or 6 in. wide, but in poing on it is much larger. It is composed of spar, gossan, and mundle, and is by far them promising branch we have yet met with. We intend continuing the sait to prove the nickel department, where we have great improvements, and have cit.

ST. AUSTELL CONSOLS.—There is no alteration since has treported in say at except the nickel department, where we have great improvements, and have cit worth more than 70t, per fum.—R. H. H. MULLIANS: April 19.

SWANFOOL.—The ground at the engine-shaft is a little more stiff for enkingth.

worth more than 70°, per On.—R. H. WILLIAMS: April 15.

SWANFOOL.—The ground at the engine-shaft is a little more stiff for sinking week than quasi; if it continues so it will take less timber to scoure it. The let the 00 fm, level is 2 ft. wide, composed of par, mundle, flookan, and lead. The in the back of the 30 fm, level is not so good for lead as last week. The lets is stopes is looking well. The lode in the 40 fm, level is 1½ ft. wide, composed of mundle, prian, and lead. We expect an improvement in the levels as well wavels the pool. I am in hopes of having nearly 50 tons ready for sampling on 15th of May.—J. TREWERN: April 15.

TAMME SILVER\_LEAD.—In the 215 cmd the lode is 15 inches wide, composed.

stopes is looking well. The lode in the 40 fm. level is 1½ ft. wide, composed of spurmards, prian, and isad. We expect an improvement in the lavels as we drive wards the pool. I am in hopes of having nearly 50 tons ready for sampling or histh of May.—J. Trawwer: April 15.

TAMAR SILVER-LEAD.—In the 215 end the lode is 15 inches wide, composed capel and ore, saving work. In the rise in the back of the 205 the lode is 1 foot wide composed of can, capel, and ore. In the wince sinking in the bottom of the 190 lode is just the quality as it is in the rise below—good stamps work. In the 150 ethe lode is 2 feet wide, composed of flookan, capel, mundie, and ore. In the 150 ethe lode is 3 ft. wide, composed of capel and ore, a very promising end, and likely improve. In the 160 end the lode is 9 in. wide, saving work. In the 155 end the is 1 ft. wide, composed of spar, capel, and ore, rich work. In the rise in the bott the 145 the lode is 16 inches wide, very good work.—North Mine: In the 100 end lode is 2 ft. wide, composed of can, capel, and ore, rich work. In the 160 end lode is disordered and unproductive. In the winze sinking in the bottom of the 90 lode is 2 ft. wide, composed of can, capel, and ore, saving work.—J. Stranza: Aprill TINGROFT.—At North Tineroft, in the engine-shaft sinking below the 180 level is 3 ft. wide, worth 304, per fm. In the 130, driving east of said shaft, the lode is 3 level, worth 140, driving west, the lode is 3 ft. wide, worth 304, driving west, the lode is 3 ft. wide worth 141, per fm. The stopes in the bottom of the 190, driving west, the lode is 40 level worth 141, per fm. His boursow Tin Lode: In the 132, cast of Marties's east shaft, the lode is 141 wide, worth 141, per fm. The stopes in the bottom of the 120 level, both sast and west of said shaft, are worth 142, per fm. The stopes in the bottom of the 110 are worth 144. Per fm. In the lode in the back of the 132 are worth 142, per fm. The stopes in the bottom of the 110 are worth 144. Per fm. In the lode in the back of the 60, wes

done. Our operations now are connect to three bargains—two in the st.—April 15.

TRANACK CONSOLS.—The ground in the western cross—out is composed of tills, but rather softer than usual—present price 7t. per fathom; the ground is first. If m. & ft. 7 in.. We have increased this pare to six men, and hope to get on list of the consecution of the consecution of the state of the consecution of the consecution of the consecution of the long still so near the cross—course, it is difficult to judge its character, the end being still so near the cross—course during the past week. They have pind figure 1 ft. 6 in. The wall of the cross—course during the past week. They have pind figure 1 ft. 6 in. The wall of the cross—course being exposed to this height, we have find it, and have, consequently, commenced a shaft from surface to commisse with it, and have, consequently, commenced a shaft from surface to commisse with its is commented to the commisse with the present price of the rise is 37. 10; per fathom. We do not still from the construction of the lode and on the cross—course, also for drawing the stat from a same. The present price of the rise is 37. 10; per fathom. We do not still from the construction of the lode is 2 ft. 6 in. with being conced of peach, mundide, and small portions of the mixed throughout; such a grounding lode being found so shallow (not more than 12 fms. below surface), it, in again, more present price of the rise when properly explored in depth, particular in the granite, that it will prove to be exceedingly productive. The ground in measured 2 fms. 2 ft., at 80. per fathom.—J. Bynnert : April 18.

TREBELL TIN.—The south part of the lote in driving uses is much a lateracted.

TREBELL TIN. The south part of the lode in driving west is much as helfported. The north part of the lode driving cast has improved since my late.

The north part of the lode driving cast has improved since my late.

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The north part of the lode of the

RITTON CASTLE.—We have cut the idde, which crosses a bed of shale; we are now driving along it, and I expect the water in the old working will very shortly be drained. The men are making all possible progress in driving to the wheel-pit idde.

RIX HILL.—The 17 fm. level, west of the engine-shaft, is driven 5 mm., the idde at present being regular and well defined, producing tinstuff for the samps; this level is being driven by four men. A cross-cut is being driven in the 40 fathom level north, to intersect Ward's branch, which has in the levels above been productive; by calculation, there are about 4 fms. more to drive to intersect it; four men are employed in driving this level. The stopes in the back of the 17 fm. level, wast of small shaft, being poor, the men are put to stope the back of the 17 fm. level, wast of small shaft, being poor, the men are put to stope the back of the 17 fm. level, wast of small ing our similing deeper until the 70 fm. level drains it, we have set to drive test of the state of the small productive.

duley, and at the same time continue the cross-cut north to intersect the other lodes, we have now seen sufficient to recommend sinking the engine-shaft to deeper levels. We shall require in this mine patience and sperseverance, but I am fully persuaded shall be amply rewarded.—J. WESI April 19.

WEST SORTRIBGE.—The tin lode in the adit level is about 2% ft. wide, and still produces some saving work for tin. The gossan lode is about 2 ft. wide, looking very kindly, and showing occasional spots of mundie in the gossan. No alteration wathy of notice elsewhere.—Jous Favour. April 19.

WEST WHEAL ALFERED.—In sinking Carr's engine-shaft below the 55 fathom level the lode is 8 ft. wide, 3 ft. of which contains very good yellow ore. In driving level we have a severally looked better towards the bottom of the level than upwards, although the bis west of this shaft, for the first 20 fms. the lode contained some very good ore, and generally looked better towards the bottom of the level than upwards, although its tributers have broken some good ore in the back of the 55 fn. level; this level is extended west to, and communicated with, Mexico shaft; until the level was partially with the shaft the end was driven on the south side of the lode, but in driving sorth, to hole to Mexico shaft, we discovered a good lode on the north part. The Seat will yield 3 tons per fm., and west end 1½ ton; these two points open some good ground, but it will require time ere tributers can work the backs advantageously. Mole's engine-shaft, below the 40, the ground is hard, but we do not think it will be flong continuance, masmuch as no hard ground was discovered in Leman's, Maico, or Carr's shafts. The 40 fm. level is driven south of Cole's shaft to within 5ft, or 2 fms. of the lode, and as the lode has not been seen below the 10 fm. level looked regularing for copper; it is but fair to presume that we shall cut a good lode for coper or many the shaft of the second of the

water down from the level above, which would be too powerful for our bottom fluming for it to the 107 at the engine-shaft.—Webb's Shaft: In driving the 87 such its not so well as lest reported.—Maxwell's Shaft: In driving the 87 south the ground is moderate; lode 15 in. wide, producing saving work. The tribute pitches are much start ported. We sampled, on Monday lust, 50 tons of silver-lead ore, with the 22d inst.—J. WILLIAMS: April 17.

of plenty of the four from the ot set the shall ide, being one such a promise, is, in my opioth, particularly a ground drives

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we much as last reported. We sampled, on Mohday last, 50 tons of silver-lead ore, for also the 23d inst.—J. Williams: April 17.

WHEAL GUSKUS.—On Saturday next we shall complete the 12-in. pitwork to the 50 fm. level, when we shall resume sinking the engine-shaft below this level, where the does are still intersecting each other, and producing good stamping werk, suckur's lode in the 50 fm. level, east from the engine-shaft, is 1½ ft. wide, price stamping work; we still its 2ft. wide, composed of quartx, munde, prish, and stones of ore. In the 40, cast and west from engine-shaft, there is a good come of tin. In the 30 cast it is 1 ft. wide, producing stones of tin. In the 30 cast it is 1 ft. wide, rounded the shaft is 1 ft. wide, worth 10?. per fm. for tin 450 fm. level, west from the engine-shaft, is 1 ft. wide, worth 10?. per fm. for tin de 30 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the line as 30 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the line as 30 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the line as 30 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the line as 30 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the line as 40 cast it is 1 ft. wide, worth 9?. per fm. for tin. The stopes throughout the law of the stope in the below in the stope in the back of a ft. wide, producing 25c tons to a ft. wide, producing 25c tons to a ft. wide the stope in the stope is twill produce more, but 25c tons to a ft. wide, The wide below the 30, on this bunch of ore, will be commenced on Monday but.—I. Romas: April 17.

WHEAL MARSHALL.—The frame-work for supporting the large wheel is, after much labour, fixed, and the wheel will be completed for working without any delay. The stamps, with eight heads, will be in readiness to work next Saturday, but it will take some little title to complete the floors for dressing. In clearing the adit level we have found large workings excavated by old men, and find much of the lode remaining, productive of fair work for the: from the backs, we think it necessary to erect another stamps at once. Every branch of work is productive of fair work for the: April 19.

WHEAL MARY GREAT CONSOLS.—We have let another pitch in the back of the 50 fm. level, east we are expecting an improvement also. The crusher is being got on with as fast as possible, but the masonry is not advanced as far as we could wish for the want of hands, the Cornish Railway absorbing all masons and labourers. However, I trust in about three weeks we shall get it completed, so as to crush the ore for sampling. The pitches on the whole are turning out quite as well as we had expected.—T. Recursor: April 19.

WHEAL MAUDLIN.—We have got all the main-rod fixed in engine-shaft, and are pushing on the smiths' work as fast as we can. The lode out lest weeks at Hele is a feet wide, with prian, a little gossan, quarta, and capel, in regular walls, underlaying north 2% feet per fathom, but no minerals of importance were intersected; the ground immediately south of this is a compact killas. In driving west on the granite very well as the consensus, which is decidedly regular, and of the same nature as reported when out further south in the cross-out-will, the western part, mostly hard quarty, carrying pienty of water, and sufficient iron to give it a brown colour similar to gossan.—W. Taxoav: April 13.

WHEAL ROBERT.—We are progressing satisfactorily in sinking the shaft. I expect by the latter part of next week we shall get our shaft down to the 30, where we intend to drive to intersect the lode. Our prospects are still very encouraging. W

of the same level are worth 3t. 10s. per fathom for tin and copper.—R. WILLIAMS; J. WILLIAMS: April 14.

J. WILLIAMS: April 14.

WHEAL TRISTREM.—The engine-shaft is how sunk to the 52, and we are sinking for bearers and cistern, which will be completed this week, when we shall commence to cross-cut south. In the 40 fm, level the cross-cut south is very wet, but we have not yet cut the lode. In the 25 fm, level the ends are just as last reported.—J. J.ENKINS: April 17.

WHEAL UNITY.—Since my last communication, of Monday last, the mine on the whole is a little improved. In the 20 fm, level, cast of No. 2 shaft, the lode is 1 foot wide, kindly in appearance, and producing saving work for copper. The other tutwork bargains continue just the same as they have been. The tribute department is also improved, as will be seen by our next sale of tin. Enclosed I hand you invoice of copper ore sold on Thursday last. We have also sold 20 tons of arsenie, at 35s. per ton.—Joseph Vivian: April 17.

WHEAL VICTORIA.—In reporting on the operations of the last week, I beg to inform your that the end men have driven 2 fms., making altogether 65 fms. 3 feet south of the shaft.—Jonn Barker: April 17.

WHEAL WREY.—The north end has changed for the worse, and the south end for the better, since last report. The former is now hard, and yielding about 3 cwts. per fathom; the latter about 15 cwts. per fm. The stope (commenced on Monday) is yielding a good quantity of ore. The progress in the shaft is impeded by a floor of hard ground, not likely to continue. Shaft down about 4½ fathoms below the 12.—Jno. Offond: April 18.

WHEAL ZION.—We have seen about 2 cut of the lode in the environment.

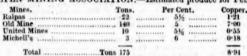
hard ground, not likely to continue. Shaft down about 4)6 fathoms below the 12.—

JNO. OFFORD: April 18.

WHEAL ZION.—We have seen about 2 it. of the lode in the engine-shaft, which
is composed of spar and capel. We regret to state that the part of the lode we are
carrying in the 50 fm. level is not so good as when last reported, composed of mundic and prisal, with small stones of ore. The lode in Thomas's winze is composed of
mundic, peach, prisal, and occasionally small stones of ore. No alteration in the 46
cross-cut worthy of notice. Richards's shaft is again suspended, on account of the increase of water.—J. Brav: April 19.

# FOREIGN MINES.

ALTEN MINING ASSOCIATION .- Estimated produce for Feb. :



Missing Report, from Feb. 14 to March 18, 1854.

—Monk's shaft, sinking under the 30, makes favourable pgns of a lode. The stopes on Labouchere's lode have been

# NATIONAL BRAZILIAN MINES-[Received April 17.]

NATIONAL BRAZILIAN MINES—[Received April 17.]

Cocas, March 1.—Not the least alteration has taken place in the nature of ceedings in the mining department since the last report. The poverty of the tinues, though the mine is worked exactly as usual. It is just a contingene coting a lode, and therefore every day may bring about a better result. I a few hands to wash and pass the stuff over skins at a place called Terra V two gun-shots to the west of the Serra Velho. It is a place from which Cay desto took much gold, and which Francisco Antonio lately offered to work, the gold with the company. Stones speckled with gold were often found it Cuiaba, I ounce I olitava 36 grains were obtained from about 25 loads of stuff at our stamps by Carlos Jose. This per centage shows what a large compared to the control of the control of

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boking more promising than for a long time, and I am happy to say it is still looking very well, and the channel of ground in which it is embedded is also improving. Our chance in this mine is when the lode and monte come together, and this object we shall get at very shortly. We have nothing new in any of the other mines, all are the same as when last reported on. I shall leave to-morrow for Trespuntars, remaining there some lor 12 ddys, and return by way of the Morado Mines, when, I hope to make a survey of the Malpase estate, and visit Checo.

LINARES MINES.—[Received from Mr. Henry Thomas.]

Pose Ancho, Linares, April 8.—West of Engine-shaft: The 75 fathom level is not at present producing unfleient to value; the lode is large. The 63, west of Caballero's winse, is worth 24 tons of lead ore per fm. The winze sinking under the 55, west of Romero's, is worth 24 tons per fm. The Sim. level, west of Casuallidad cross-cut, on south lode, is worth 134 tons per fm. The 55 fm. level, west of winze, on caunter lode, is worth 24 tons per fm. The winze saluking under the 31 fm. level, on caunter lode, is worth 24 tons per fm. The winze saluking under the 35 fm. level, west of winze, on caunter lode, is worth 24 tons per fm. The winze saluking under the 35 fm. level, there is nothing new to report. Driving west of Kennedy's shadi, in the 20 fm. level, there is nothing new to report. Driving west of Kennedy's shadi, in the 20 fm. level, there is nothing new to report. Driving west of Kennedy's shadi, in the 20 fm. level, there is nothing new to report. Driving west of Kennedy's shadi, in the 20 fm. level, the lode is large, but unproductive. Driving west of Kennedy's shadi, in the 20 fm. level, the lode is large, but unproductive. Driving west of Kennedy's shadi, in the 20 fm. level, we can describe the 20 fm. level and the productive will be remembered that under the shilled in the 22 fm. level the ore did not make westwards, as expected from the dip of the shoct of ore above; it seemed to be hove the 20 fm. level, the

ST. JOHN DEL REY MINES-[Received April 17.]

Morro Felho, Feb. 18.—Gold extracted to date, 9035 cits., from 533\*85 cubic feet of sand (result of 10 days' stamping), yielding 15.24 cits, por cubic foot. Stamps working 10 days, average 120-99 heads. The supply of stone has hitherto sufficed, but barely sufficient to keep all our stamps employed, with the exception of the Susannah, which as usual is principally occupied in grinding sand. Latterly, bowever, the quality of the stone is unusually poor. We had four or five pairs of borers, with 11 assistants, occupied at the West Quebra Fanella, but have been obliged to discontinue working there, to enable us to place more men to sink in the sumps, not having sufficient force to carry on both operations at the same time. The effect must be to diminish the supply of stone to the spalling floor.

Morro Velho, Feb. 28.—Gold extracted to date, 17,402 cits., from 1131-32 cubic feet of sand (result of 19 days' stamping), yielding 15:38 cits. per cubic foot. Stamps working 19 days, average 130-63 heads. The supply of stone from the mine continues much as usual, though somewhat improved in quality. In thus keeping up our supply we have been much assisted by the good attendance of the Brazilian or free borers, whose numbers now frequently range from 180 to 190.

We are requested to state that petitions in favour of Mr. Collier's bill

We are requested to state that petitions in favour of Mr. Collier's bill for regulating and defining the Cost-book System, and extending the jurisdiction of the Stannaries Courts to Devon, will lie for signature on and after Monday at the office of the Mining Journal, 26, Fleet-street, and at Mr. Murchison's office, 38, Threadneedle-street, London; at Mr. W. E. Commins's, Tavistock; and Mr. Henry Caunter's, Ashburton, Devon. A petition will also lie for signature at Plymouth in a few days.

# The Mining Market; Brires of Metals, Ores, &r.

COPPER. £. s. d.	QUICKAILVERp. lb. 0 2 1
Sheathing and bolts p. lb. 0 1 2	SPELTER. Per Ton.
Bottoms 0 1 3	Foreign 23 0 0-23 5 0
Old	To arrive 23 0 0-23 5 0
	10 attive
Tough cake 126 0 0	ZINC.
1100 125 0 0	In sheets 31 10 0-32 0 0
South American , 127 0 0-128	TIN.
IRON. per Ton.	English, blocks124 0 0
Bars, Welsh, in London. 10 0 0-10 5 0	
*Ditto, to arrive 9 7 6-10 0 0	Ditto, Refined
"Nail rods 10 10 0-11 0 0	Banca
, Stafford. in London 11 10 0-13 0 0	Straits
*Nail rods ditto 11 10 0-12 0 0	
*Hoops ditto 11 15 0-13 0 0	TIN-PLATES.
Sheets, single 13 10 0-14 0 0	IC Charcoalp. box 1 11 6-1 13 6 IX Dittop. 1 17 6-1 19 6
Pig, No. 1, in Wales 4 5 0- 5 15 0	
Refined metal, ditto 4 10 0- 5 0 0	
Bars, common, ditto 8 2 6- 8 10 0	
Ditto, railway, ditto 7 15 0- 8 0 0	Canada platesp. ton
ditto, Swedish, in Lond, 14 0 0-14 10 0	Displayments.
Pig, No. 1, in Clyde 4 1 9-4 2 0	Patent Yellow Metal Sheath-
English Pig	Wetterstedt's Pat. Met p. cwt. 2 0 0
English Pig	Stirling's Non-launina-
Ditto red lead 26 0 0-26 10 0	ting, or Hardened, 9 0 0-9 2 0
Ditto white	Surface Railsp. ton
Ditto patent shot 27 10 0-28 0 0	Colors and American Colors
Spanish, in bond 24 0 0-25 0 0	Stirling's Patent   Glasg 3 12 6
American none.	
	Ditto Wales 4 0 0- 4 5 0
POREIGN STEEL.	Indian Charcoal Pigs } 6 0 6
Swedish, in kegsp. ton 17 15 0-19 10 0	in London
Ditto, in faggots 18 0 0-18 10 0	

In Liverpool, 5s. to 10s. per ton less.
 At the works, 1s. to 1s. 6d. per box less.
 In Liverpool, 6d. per box less.

\*\* At the works, is, to is, 6d. per box less. In Liverpool, 6d. per box less.

Remarks.—The buoyancy which has characterised our market so long, has in a great measure subsided; consumers object toincrease their stocks to any extent, fearing that the present prices may recede; merchants regard with distruct the probable course of events, and speculators are extremely cautious in all their operations; in fact, unless such inducements offer as will fully secure them from any reverses that may occur, they positively decline purchasing. But although metals generally manifest considerable weakness, we do not anticipate any momentous change being produced precipitately, for second hand parcels are by no means numerous, nor are holdered disposed to concede to any great sacrifice; we trust, therefore, that our market will be able to maintain its equanimity, although possibly we may see a decline.

Copper.—There is no difference in the fixed value of this metal during the past month, not withstanding the easy state of the market previous to the meeting of copper smelters, on Tuesday, the 10th instant, when it was rather expected some reduction would take place. A much firmer feeling, however, now prevails.

IROX.—Merchanta's export orders for manufactured Bar-iron are scarce, and there has been but a very moderate amount of business passing during the month. The demand for rails has improved, principally for the American market. Pigs in the Clyde at one time receded to 74s. 6d. mixed numbers, with little enquiry, but an active demand caused them to advance to 79s., at which price the market closes firm. 

LEAD.—The advances in this metal have been steadily maintained.

Speltres.—The market continues extremely quiet, and owing to some large arrivals into Hull, the Birmingham houses are well supplied, so that although our stock in London is further reduced to 618; forms, according to the last return, the price has not improved.

Tix.—On the 3d instant a reduction of 6d, per ton was announced by the trade on

oved.

—On the 3d in-tant a reduction of 6l, per ton was announced by the trade on sh qualities, but this does not appear to have improved the demand. Scarcely usiness doing. Foreign is equally dull of sale, and has fallen in like proportion resent stock of Banca is very small; it is quoted 71\(\frac{1}{6}\) ft., free on board in Holland, Starting the market, for which it is most difficult to find buyers, except at pricer or or outside, for which it is most difficult to find buyers, except at pricer or or outside.

er our quotations.

No-PLAIES.—There is a very good enquiry in Liverpool, and some large contracts
charcoal have been passed, our quotations for both charcoal and coke, however,
somewhat lower. Steel.—In fair request. Quickstives.—Very quiet.

LIVERPOOL, Aran 2).—The quarterly meeting of the Iron trade was held at Birminghum, on Thursday last, and was fully attended. Although the prices of the previous week were nominally confirmed, the masters were very shy of selling, except at an advance, which in many cases was given, and, owing to the very reduced stock of Flgs in Stafford, high prices were demanded and obtained for them. Altogether the aspect of the trade was exceedingly healthy, and the tendency of prices is decidedly upward. Scotch Fig-iron has been in good demand this week by both consumers and dealers, and considerable purchases have been made by leading houses in the trade. The shipments last week again exceeded 17,000 tons, and appear likely to continue large, as stocks both at home and abroad are reduced to a very small compass. The stocks in Scotland have been reduced during the last few weeks at the rate of 10,000 tons per week. Lead and Copper are in fair demand, at previous rates.

-The market for speculative shares continues in a deprestate, with few if any buyers, whilst the transactions in dividend stocks have not been of any great amount this week. South Tamars have been sought after, and dealt in at 81. 10s. to 91.; Devon Great Consols, 4251. to 4301.; Herodsfoot, 32. 10s. to 91.; Baseet, 7001.; Wheal Golden, 21. 5s.; West Alfred, 161.; West Providence, 281. to 301.; Gonamena, 131. 10s.

At the Botallack Mine bi-monthly meeting, on Tuesday, the accounts

At the Botallack Mine bi-monthly meeting, on Tuesday, the accounts showed—Mine cost for January and February, including labour, carriage, bills, &c., 24391. 13s.—Copper ore sold, 27921. 12s. 5d.; tin sold, 16991. 13s. 6d.; sundry credits, 83l. 9s. 7d. = 48451. 16s. 6d.: showing a profit of 2106d. 3s. 6d.; which, with balance of 1212d. 6s. 2d. in favour on last account, makes 3318d. 9s. 8d. A dividend of 10d. per share (2006d.) was declared, leaving balance of 1318d. 9s. 8d. to next account.

At the Condurrow Mine meeting, on Tuesday, the accounts showed—Balance from last account, 282d. 19s. 11d.; copper and tin ores sold, 3490f. 6s. 6d. = 3778d. 6s. 5d.—By labour cost, Feb. and March, 2113d. 11s. 11d.; merchants' bills, 588d. 17s. 11d.; jords' dues, 174d. 10s. 4d.; dividend, 768d.; leaving balance in hand, 128d. 6s. 3d. A dividend of 3d. per share was declared. Mr. N. Vivian, the manager, reported that tin ore and leavings on the mine were worth 2000d., and that the next sampling would be 250 tons. Copper ore had been sold towards the next account, producing 2012d. 12s.

The Peak United Lead Mining Company paid a dividend of 10s. per

The Peak United Lead Mining Company paid a dividend of 10s. per share (2904) on the 8th inst.

At Herodsfoot Mine meeting, on Tuesday, the accounts showed—Ores sold, 48371, 18a. 4d.; and and coat; sold, 13d. 13a.=43512, 11s. 4d.—Balance last account, 1864, 17a. 1d.; labour cost, 1644, 8s. 11d.; merchants' bills, 6182, 5s. 11d.; interest and commission, 514, 16s. 9s.; J. Watson's dividend, 3844; Skautleberry freight, 331. 5s. 6d.; lords' dues, 2921, 1s. 10d.; Dr. Hingston, 43J. 19s.; leaving balance in favour of mine, 11864, 16s. 4d. A dividend of 7s. 6d. per share was declared. Capt. J. Wolferstan's report, which was very favourable, was read.

At Mecrbrook Sough meeting, on the 13th inst. (Mr. Robert Cresswoll in the chair), the accounts showed balance in favour of the company, 32511, 18s. 6d. A dividend of 4d. per cent. was declared, payable from Wednesday last. The amount of composition received during the last half-veer amounted to 18901, 17s., the greater portion of which was paid by the Ratchwood Mine, which still continued to be very preductive. The expense of carrying on the forwfleish had been unusually great, or the dividend would have been much larger.

At Callington Mine special general meeting, on Wednesday, at Salvador House, Eishopsgate (Mr. P. Shainsby in the chair), the question of making a surrender of sertain portions of ground in exchange for other ground offered to the company by Lord Ashburton, and also the sale of some portions of the machinery, having been fally discussed, a resolution was passed, appointing Mr. Thomas Watson as the representative of a committee selected for the occasion, to visit the mine and negociate with his borthylip's against upon the aniplest. A better selection could not have been made, Mr. Watson being hold in the highest esterm as a gentlems of the strictest integrity and pastical ability.

At Garreg Mine meeting, on Thursday (Mr. J. Y. Watson, F.G.S., in the chair), the accounts showed—Balance last account, 26l. 10s. 46.; calls received, 311l. 13s. 6d.; or sold, 72l. 2s.—\$10l. 3s. 10d.—Mine cost and merchants' bills, 12 months, 30ll. 18s. 8d.: leaving balance in favour of mine, 108l. 7s. 2d. Assets, 423l. 3s. 2d., liabilities sil. Capt. W. Michell, jun., reported that the lode is still very large, and continues to get more favourable for sinking.

At Caylan Mine meeting, on Wednesday, the accounts showed—Balance list account, 1303l. 19s. 3d.—Labour and materials, January, 233l. 18s. 1d.; February, 233l. 18s. 2d.: February, 233l. 18s. 1d.; February, 233l. 18s. 2d.: Laving balance in favour of mine, 838l. 6s. 19d. Capt James Barkei reported that the quantity of ore was increasing monthly, and the prospects of the mine generally were very cheering.

At East Caradon Mine meeting, on Wednesday, the accounts showed—Calls received, 768l.—Balance from last account, 100l. 19s.; labour cost and materials, January, 17l. 10s. 7d.; February, 20ll. 3s. 3d.: leaving balance in favour of mine, 230l. 7s. 3d.

Capt. January, 17l. 10s. 7d.; February, 20ll. 3s. 3d.: leaving balance in favour of mine, 230l. 7s. 3d.

At the Keswick Mines meeting, on Wednesday (Mr. Alax. Graham in the chair), the accounts showed—Balance last meeting, 11ll. 11s. 3d.; calls received, 123k. 10s. 6d.; Messrs. Graham and Compton's loan, 500l.; ore sold, 63ll. 13s. 6d. = 249ll. 15s. 3d.—Mine cost and merchants' bills, 1596l. 1s. 9d.; paid various loans, 70ll. 18s. 10d.; secretary's salary, 3d.; Messrs. Berdan and Perkes, for experiments, 24l. 13s. 6d.: leaving balance in favour of mine, 134l. 1s. 2d. Liabilities over assets, 316l. 13s. 1d. Capt. R. B. Shepherf reported that they expected to have 40 tons of ore for sale at the beginning of next month, the produce of the whole mines since the end of February.

one to saw at the end of February.

At South Wheal Russell meeting, on the 13th inst. (Mr. John Bayly in the chair, the accounts showed—Balance from last account, 1434. 9s.; mine cost, 2004. Ss. 6d.; merchanta' bills, two months, 37l. 14s. 6d.; arrears of calls, 3l. 4s. 6d. =404l. 13s. 8d.—Call of 1s. 6d. per share, 239l. 2s. 6d.: leaving balance against adventurers, 14tl. 11s. 2d. A call of 1s. 6d. per share was made. Capt. Alex. Barratt reported that at Harewood, in the Devon and Cornwall United Mines, they working on a fine large lode, from 12 to 20 ft. big, and which, from its direction, traverses the southern part of this sett.

4. Fart Wheal Archar Marken and the country on the 13th inst., the accounts showed

verses the southern part of this sett.

At East Wheal Arthur meeting, on the 13th inst., the accounts showed —Baiance last account, \$5.10 s. 10t.; labour cost, Feb., 91/. 13s.; March, 73f. 9s. 4d.; merchants' bills, 61f. 5s. 9d.; arrears of calls, 41f. 8s. =273f. 6s. 11d.—Calls, 164f. 14s.; leaving balance against adventurers, 108f. 12s. 11d. A call of 1s. 6s. per share was made. Capt. A. Barratt reported that the engine-shaft was sunk 3 fms. since last meeting, making 1s fms. on the course of the lode—promising; the lode was 2 feet wide, containing ore. The adit level has been driven 35 fms. east of the Tamar lode—small at present. They hope for an improvement as the level approaches the cross-course, about 20 fms. off.

small at present. They hope for an improvement as the level approaches the cross-course, about 29 fms. off.

At the Bryntail Mine meeting, on Wednesday (Mr. John Edmonds in the chair), the accounts showed—Calls, 4311.—Balance of last account, 47. 12s. 6d.; labour cost, Dec., 93. 18s. 9d.; ditto, Jan., 97. 10s. 9d.; ditto, Feb., 120. 9s. 10d.; leaving a balance in hand of 69l. 8s. 2d. The balance of assets over liabilities was 277l. 18s. 2d. It was resolved that 24i shares be forfeited, subject to return on payment of arrears within 14 days. Captain James Roach reported that in the cross-cut No. 2 the lode was 21 ft. wide, impreparated with ore; driving north the lode produced fine stones of lead. In No. 3 cross-cut the lode was 25 ft. wide, very promising, and producing ore. They had 12 tons of lead ore on the mine, and 100 tons of barytes had been raised; and it appeared that some thousands of tons might be obtained from the deposit.

At Okel Tor Mine meeting, on the 12th inst. (Mr. G. G. Mitchell in the chair), the accounts showed—Balance due to purser, 226l. 8s. 11d.; merchant's bills, 121l. 6s. 8d. =347l. 13s. 7d.—Calls, 276l. 15s.: leaving balance against the mine, 17l. 0s. 7d. A call of 10s per share was made. Messers, G. G. Mitchell, H. A. Harvie, J. Bradley, J. Aldridge, J. M. Thistleton, and Capt. Trathan, were elected the committee for the ensuing two mooths. Capt. W. B. Collom reported that the two cross-cuts were now driving north and south, to intersect the copper lodes; they were driven about 13 fathoms through a beautiful channel of ground, highly mineralised, and containing rich branches of silver-lead ore. The copper lodes were the same as were being worked on in an adjoining mine, where one of them was reported as being very rich, and the nearer it was worked to the Okel Tor sett the better the lode became. They expect to get the engine to work by the next general meeting, in June, when the different copper and lead lodes will bethoroughly developed, with every indication of a successful resul

when the different copper and lead lodes will be thoroughly developed, with every indication of a successful result.

At the Penpompren Mine meeting, on the 15th inst. (Mr. S. Weatherly in the chair), the accounts showed—Mine cost, 11 months, 511 5a, 3d.; deed box and books, 141. 15a, 6d. = 5650. 3a, 9d.—Calis received, 434. 13a, 4d.; leaving balance against mine, 1111. 10s. 5d. A call of 2a, 6d. per share was made.

At the Rhoswydol and Bacheiddon Mines bi-monthly meeting, on Wednesday, the report from the agent was very satisfactory, showing that the ore was increasing in value as they sunk. It is expected that the 60 fm. level will communicate with the shaft sinking from the 20 in about four months. The report appeared in our Journal of the 8th inst. The accounts showed an outlay during the two months of 4681. 13s. 8d., and the sales of ore amounted to 5631. 1s. 6d. The future prospects were considered very encouraging.

At the Dyfngwrm Mines bi-monthly meeting, on Wednesday, the report from the agent was highly satisfactory, and the mines have, after great patience and perseverance on the part of the shareholders, become a truly valuable property. The ore in each level as they sink improves, and in the 50 fm. level it is now worth from 404 to 501. per fathom. All the new machinery, capable of taking it down to 100 fms., is complete, and the prospects are highly satisfactory. The result of the two months' working showed an expenditure of 6951. 1rs. 3d., and the shipments of ore amounted to 54 tons, a portion of which has been sold at 154. 14s. 6d. per ton. This quantity will be increasing every month, and must shortly place this among the dividend-paying mines.

At the Devon Consola West Mine meeting on Monday (Mr. S. Swen-

ore amounted to 34 tons, a portion of which has been sold at 134. 14s. 6d. per ton. This quantity will be increasing every month, and must shortly place this among the dividend-paying mines.

At the Devon Consols West Mine meeting on Monday (Mr. S. Swonnell in the chair) it was resolved, —That the further prosecution of the mine be abandoned, and the committee be authorised forthwith to dispose of all machinery, materials, and other effects upon the mine, and that when the same have been disposed of, the committee of management, after paying the costs and charges satending such sale, do forthwith discharge all costs, debts, and liabilities in connection with the adventure.

At East Wheal Reeth meeting, on the 11th inst. (Mr. J. S. Carlin in the chair), the mine was divided into 6900 shares; a new code of rules adopted; and a call of 1s. 6d. per share made. Messrs. Coote, sen., Carlin, and Richards, were appointed the committee of management until the next general meeting.

At Treloweth Mine meeting, yestorday, the accounts showed a balance against the mine on the bree months working of 1298. 9s. 9d. The shalt was sunk 3½ fms. below the 10. The copper ore sold on the 14th inst. realised 222l. 11d. 6d. 2s. 4th e West Wheal Alfred meeting the accounts showed—Mine cost, 1898. 13s. 2d., against was sond and the claim of the confirmed that was smade. The committee of Tamar Maria Mino, at a meeting held last Saturday, declared forfeited all shares, then unexchanged, upon which the call of 2s. 6d. was unpaid, and which forfeiture will be absolute if confirmed that but few shares were unexchanged, and consequently so forfeited; and it being competent for the holders any day prior to the said general meeting to avoid such forfeiture, by a compliance with the resolutions almost unanimously passed at the special general meeting held in January last. we need scarcely say that we hope, for the well-being of the undertaking, that the resolutions then adopted by a large majority will be acquiesced in by the minority.

At the R

and the Rhosydd Slate Company meeting, on Tuesday (Mr. E. Burke in e chair), in addition to the report of the resident managers, Mr. Oliver (one of a directors) laid before the meeting an elaborate report, detailing the results of his att to the mine, and his investigation of the various workings. Mr. Oliver's report, hich will be found in another column, afforded much satisfaction, and will, no doubt,

Newtonards, Laxey, Wheal Mary Ann, Esgair Llee, Penhale Consols Great Wheal Baddern, and Caylan, have sold lead ore. Trevenen, Penzance Consols, Wheal Augusta, Bosorn, Lewis, Bottle

Trevenen, Penzance Consols, Wheat Augusta, Bosom, Lewis, Bosom, Hill, and Polberro, have sold black tin.

South Tamar will sell, this day, 150 tons of silver-lead ore.

Cubert United Mines sampled, on Saturday, 40 tons of silver-lead ore.

Trevenen Mine sampled, on Thursday, computed 35 tons of No. 1 ore.

Trevenen Mine (Wendron) first sampling took place on the 8th inst., when they sold a parcel of black tin, which realized 564. 12s. 5d. This mine is one of the most promising in Cornwall, several fine veins of tin being laid open, although not worked more than 15 months. It is now paying cost, and likely to return dividends very soon.

of one mass person.

The most worked more than 15 months. It is now paying cost, and likely to return dividends very soon.

West Wheal Trannack first sampling of tin will be on the 6th of May; and tin and copper are now being taken from the 20 fm. level.

Exmouth and Adams Mine never looked so well as at present, and the next sampling will be an increase of 15 or 20 tons on the last.

Newton St. Cyres is a most promising mine; and although so recently begun, they have a tribute pitch working there. This mine will shortly pay its cost.

West Crinnis Mine has recently been inspected by Capt. Chas. Thomas, of Dolcoath Mine, who has reported very fully upon it. He says, "The prospects of South Crinnis Caunter and Regent lodes I consider to be good, and those of Little Crinnis not undeserving of efficient trial. The Regent lode, which was rich during a former working, will almost certainly be found productive. In a mining point of view, I think the mine, even in the depressed state of the market, is fairly worth the cost incurred, including interest on the capital."

At Bickerton Copper Mines they have about 40 tons of ore at bank.

At Bickerton Copper Mines they have about 40 tons of ore at bank The lode is 7 feet wide, intermixed with copper, some of it producing 27% per cent. with 16 ozs, of silver, and 1 oz. of gold, to the ton.

with 16 ozs. of silver, and 1 oz. of gold, to the ton.

The manager of the Bandon Barytes and Copper Mining Company (Mr. Triphook, C.E.) continues to report most favourably on the progress making at the company's works; the new lode continues to produce large quantities of ore, and one block has lately been raised calculated to weigh upwards of 1 ton. We are glad to hear that the shares have been very well paid upon, and we understand a deputation of two directors are about to proceed to Ireland for the purpose of laying out the necessary works for manufacturing, as large orders are offered both in this country and in France. Several promising copper lodes have been discovered, and as the barytes lodes intersect them at right angles, they will be proved without the expense of ainking shafts, by merely driving levels from the workings of the barytes mine.

The Great Onslow Ming has been interested by Mr. Oliver Tevense and

ing staffs, by merely driving levels from the workings of the harytes mine.

The Great Onslow Mine has been inspected by Mr. Oliver Trowren, and also by Capt. Jeffrey, on behalf of the shareholders in Carliale and its vicinity. From their reports we make the following extracts:—"The sett embraces an area of 600 fins. square. The run of the lode, as thus far defined, averages 20° north of east, and underlies north i R. 6 in. per fm. The lode is of a most promising character, and from its great which, and the large quantity of mundic it contains, mixed with copper, there is every reason to suppose that if the main object kept in view be to economise expense in every justifiable way, especially by getting some power, either water or steam, applied for drawing or crushing the stuff, the result of the undertaking will prove satisfactary." The works are going on in a careful and miner-like manner, under Capt. Rickard. From the various ways in which Mr. A. Bennett's time is occupied, he proposes to resign the office of joint and acting purser of this mine, and of the Penquean State Quarries.

A company is in the course of formation for working a sett adjoining the undell Mines, to be called the Botough Wood Mine. Some splendid discoveries we been made in tosteaning, and at the foot of the hill, where an adit is commenced.

At the Inney Consols Mine the ground has greatly improved. They are now cutting rich branches, but not the main lode. Several fine specimens of coper and silver-lead ore have arrived at the offices in London; the copper are was chained from the 95 fm. level, and the silver-lead from the shallow skill. It is expected the great body of ore will be found in the 40.

At the Arundell Mines, in cross-cutting to the lode, native copper is produced, specimens of which may be seen at the London offices. The captain reports early favourably of the progress they are now making.

Old Wheal Jawed Jean Taylotack is about to resume working the state of the captain reports.

very favourably of the progress they are now making.

Old Wheal Jewel (near Tavistock) is about to resume working. This mine, which has been abandoned for many years, was formerly worked for in. The present party, in turning over some of the piles of tin refuse, have discovered seen beautiful stones of blue carbonate of copper, some of them weighing nearly I exteach, showing that at the time the mine was last worked the ancient miners were seed, showing the trickness of this metal-copper. The mine is east of the Great Whell Priendship, which has paid dividends to the amount of nearly 400,0004, and is at longing the granite ranges of Dartmoor. This speculation bids fair to be one of the best in this valuable locality, and there is no doubt that, if starting with a proper capital, the thing will be safe. There is no could that, if starting with a proper hale properly—viz., in its possessing a constant supply of water, sufficient to carry the mine down to a depth, without the aid of steam-power.

The Great Cambrian Mining and Quarrying Company have received a number of communications from shareholders, expressing their satisfaction with the directors' report which appeared in the Mining Journal of last week, and perfect oscilence in the manner the business is being conducted, fully concurring in the proposed arrangement for deferring the general meeting of shareholders until July 221.

Mr. Owen Bowen, the indefatigable secretary, left London yesterday for Paris, on the business of the company.

At the Nantlle Vale Slate Quarry, in the western works they are progressing with the removal of the overburden, the slanting the face will then be casily effected. The water shows no signs of decrease, and it will take about a member of the drainage. At the eastern quarry, the slate blocks during the past week have not been so good as in the previous one, being small; they expect, from appearances excellent blocks in a day or two, but the works are at present too challen to be valuable; the appearances are promising. At the Victoria quarry, the timal is extended to 127% yards. The works, on the whole, are proceeding favourably.

is extended to 127% yards. The works, on the whole, are proceeding favourably.

During the week, shares have changed hands in Altgoed Consols, Beford United, Black Craig, Callington, Evon Great Consols, Gonamens, Great Falgooth, Herodefoot, Hingston Down, Lewis, Peak United, Ferran St. George, Sent Tamar, Borrington, St. Aubyn and Grylls, Trehane, Treweatha, West Prodiesse, West Caradon, Wheal Arthur, Wheal Basset, Wheal Exmouth and Adams, Wheal Golden, Wheal Trelawary, Wrysgan, Beacon, Glijsh and Wentworth, Craigwen, Cubert, Eaglebrook, East Tamar, Fox Tor, Great Crimis, Great Wheal Alfred, Grae, Wheal Baidern, Hawkmoor, Keswick, Langford and Baring, Mixon Great Cunels, Molland, North Downs, North Wheal Crofty, Pennaen, Poltimore, Prince Albert, Rinsey United, Sortridge Consols, St. Day United, Tavy Consols, Treloguen, Tremsit, Vale of Towy, West Crimis, Wheal Cupid, Wheal Wrey, Whual Uny, Yeoland Crasols, Arandoll, Britannia, Crembisian, Great Cambrian, Great Shebs, Herodecosh, Ferran Wheal Alfred, Quintrell Downs, Red Dragon, South Devon Consols, We. Alfred, Wyndham Consols, Kenmare, Ballygoneen, Irish Consols, Kneckatrelian, In Foreirn Mines business has been unimportant, and in many case

Alfred, Wyndham Consols, Kenmare, Ballygoneen, Irish Consols, Anoceatrelase.

In Foreign Mines business has been unimportant, and in many case the prices merely nominal. Metcalfes were quoted at % to % dis.; Sue River, ½ dis. to par; Port Royal, ½ dis. to ½ prem.; Clarendon of Jamaica, ½ to ½ dis.; Foreigns, ½ to ½ dis.; Foreigns, ½ to ½ dis.; Foreigns, ½ to ½ prem.; Cologne Mining, ½ to ½ dis.; New Lintres, ½ dis. to par; Ibs. Fanando, ½ dis. to ½ prem.; These prices remained throughout the weign without alteration. Imperial Brazilian closed yesterday at 4 to 5; National Brazilian, 1½ to 2; Cobre Copper, 39 to 41; Copiapo, 10 to 42; Lintres, 10½ to 11; Maican and South American, 6½; Noyal Santiago, 3 to 4; United Mexican, 3 to ½; New Linares, ½; Fortuna, ½ to 1; Grand Duchy of Baden, ½ to ½.

At the West Granada (or Verazuas) Gold and Silver Mining Compare

san Fernando, 'a dis. to 's perm. Insees praces remained throughout the weithout atteration. Imperial Brazilian closed yesterday at 4 to 5; National Brazilian, 15 to 2; Cohre Copper, 89 to 41; Copiago, 10 to 42; Linares, 40 to 11; Mulandian, 65; Royal Santiago, 30 to 1; United Mexican, 4 to 11; Royal Charles, 15 to 11; Mulandian, 15 to 11; American Charles, 15 to 11; Mulandian, 15 to 11; Mulandian, 15 to 15; At the West Granada (or Veraguas) Gold and Silver Mining Company meeting (Mr. G. T. Braine in the chair), the report of the committee of investigation was unanimously adopted. The total liabilities of the company is about 70%, and the proposed new capital will leave about 20,000. to work the mine—a sun condered amply sufficient, as they have excellent machinery on the spot. Mesers, Brain, Barber, Clive, Mangles, Thomson, Shaw, Daukes, and Tate, Major Mayne, and Cochridate upon the principle suggested in the report, which is fully detailed in another column.

At the British Australian Gold Mining Company meetings, yosterday, at the Albion Hotel, Aldergate-atrect (Mr. W. Prinsep in the chair), the director report stated that since the meeting, in January last, despatches had been reciprored to the company meeting, yosterday, at the Albion Hotel, Aldergate-atrect (Mr. W. Prinsep in the chair), the director report stated that since the meeting, in January last, despatches had been reciprored to Capt. Semmens, upon the land at Braidwood (and who stated that would not be bound to work it two years for 2004.), to abandon the lease of the symmur grant and the properties of the symmur grant and the reciprored that since the party employed upon it, and was selling off the stores and majority discharged the party employed upon it, and was selling off the stores and majority discharged the party employed upon it, and was selling off the stores and majority discharged the party employed upon it, and was selling off the stores and secured at Braidwood, and the properties of the secured was a supplied to the committee, th

The capital at present was stated to be about 18,000.

At the Clarendon Consolidated Mining Company of Jamaica meeting, to be held at the London Tavern, on Monday, the directors will present reports from Mr. Jehn Hitchins, Mr. Maynard, and Capt. Harpur. Mr. Maynard had paid a second visit to the mine, and strongly urged the prosecution of the working it Stanford Hill, which he considers highly promising; and as the mining staffs softently numerous, he also advices proceeding with the further trials of Lodge, Etrast, Keys No. 1, and Prevosts, as being attended with but little additional expensive proceedings of the consultance of the working it of the further trials of Lodge, Etrast, Keys non-entrating the strength in these five localities for a limited period, sens definite conclusion will be formed, whether the prospects of the campany warrant the further prosecution of the undertaking. By these means a fair trial will have been made at a comparatively trifling outley.

At the Quartz Rock Mariposa Gold Mining Company meeting, on the 18th inst. (Mr. Alderman Carter in the chair), the total amount of receipts had been 2635.6 to 4d. Power was given to the directors to dispose of the 16,000 unless chares at par, pro rate, among the present proprietary, which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary, which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary, which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary, which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary, which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary which would give 30 to review of the 16,000 unless chares at par, pro rate, among the present proprietary which would give 30 to review

293.26. 10s. 4d. Power was given to the directors to dispose of the 16,005 unional shares at par, pro rate, among the present proprietary, which would give 38 to review the state of the account of the directors to dispose of the 16,005 unional shares at par, pro rate, among the present proprietary, which would give 38 to review the control of the co

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ready for sale The Roc ar follow loicing at ne-fifth : From the Captain Hou-in cross-cutt the lode it w

The N

The Imperial Brazilian Mining Association have advices to 1st March. 1600cs, the samples daily taken were encouraging. The level from Cata Funda as presenting briskly. At the Camara, the various works were proceeding repully, the arthur hands it had rather improved in quality. Capt. Pengilly with a property of the same of the continuous process. The provides of the continuous process of the continuous pro

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ied upon it that he the Seythe com, he had it accordand macution he ere a deeks. The was only together.

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Shaft: In extended reals per a splendid feel with,

e. Joseph e. Joseph It is in rika level, er towards appose the

angle to work the good-crushing machine. The copper was being sent to Cologne eligenet to Rotterdam, thence to Liverpool; and they had about 100 tons of iron sady for sale.

The Rocky Bar Mining Company have received advices to the 20th of betary. Mr. Seyton, the mining engineer, reports, that if he can get a sufficient resping-apparatus, and a well-constructed mill, he has no doubt of success. With rick of an average value of \$17 per ton, and crushing 25 tons per day, he could crut a mill with one pair of crushers and 18 or 24 stamps, he could make the Rocky he follow hard on the steps of the Agua Fria; such a mill would cost \$40,000. The sieing at Golden Hill yielded in 16 days a profit of \$1741, the Rocky Bar share being selfin; he estimated the produce of the sluice at \$400 per week. The company ser out of debt, and had in hand \$8776. He expresses his belief that the company have in a sounder position than ever.

From the Keweenaw Point Copper and Silver Mines (Lake Superior), Intia Hear reports (10th March): —\* We have a great improvement in our mine house titting 2 feet west of No. 3 shaft we cut the lode; where we first cut through a lode it was 2 feet wide, well composed and well charged with copper. We have similed one 12 feet; the vein in the drift at present is from 5 to 6 feet wide; the size of the first of the first the drift in produces is good stamps work; I should judge it worth has \$10 to per cent. for copper. I shall put in more men to drive sould, and also get ready for ainking in a few days. I have seen none that will compare with a greent prospects. The vein in No. I shaft is also improving; though poor, it are compact, not so much trap-rock internixed with the vein as there has been. Be buse, blacksmiths' and carpenters' shops are completed."

The Mariquita Mining Company have received the following advices:

MARMATO MINES, FOR THE MONTH OF JANUARY.

Ore raised, 1509 tone; rough ores, remains, stull stuff, and remains of remains atmeel, 151 tons; average number of stamp-heads at work per diem, \$1 5-10; daily strage per stamp-head, 12 1-10 cwts; fine gold obtained per ton of ore stamped, 4ts, 19 rs.

Lines gold.

Okained from the stamping-mills.

Ozs. 675 15.

ditto on tribute.

176 0=864 3 ozs.

-	Av. No.	Ore Stamped.	ped.		Tota	obta	Total obtained.	
Mella.	of hands at work p. diem.	Class of Ore.	Fonseta	Fonsets, p. stamp- head.	Fine Gold.	-	Per ton Fine Gold.	
	7 2-10	Rough ore Stull stuff.	335 16 107 0	Cwts. 12 6-10 13 5-10	lb. oz. d. 16 9 6 5 5 0		ts. grs. 11 29 12 5	Over blankets, dressed in tyres on tables, and native Melinos. ditto
Harmony.	10 2-10	Rough ore		13	0 44	0 10		ditto ditto
nadino	11 3-10 11 2-10 8 7-10	Remains Remains of remains of remains of	297 3	11 3-10	10	1.	4	ditto
S S S	3 7-10	Remains of remains	191 0	11 3-10	0	64	12	ditto
12	81 8-10		1534 4	4 12 1-19 56	56 3 15	1	8 19	

Oreriact, 412 tons; mine produce for amalgamation, 52 tons; rough ore stamped, 62 tons; mine produce for amalgamation, 52 tons; rough ore stamped, 62 tons; average number of stamp-heads at work, 22 %.

The heavy loss for this mouth is explained by the fact of the amalgamation barrels of having commenced work till the 14th January.

The Nouveau Monde Gold Mining Company have advices from their perintendent, Mr. J. H. Clemeat, in California, dated Mount Ophir, Feb. 23, according to the usual monthly report on the mines and reduction works. Mr. Clemeat, cates that Mr. Bawden was proceeding with the erection of the hydrostation and the second of the properties of them, and that the lines its action much. He adds, that he considers the system of three analysms to the managements as decidedly the best of any yet brought out. He expected that be should be

The Colonial Gold Company have received advices, by the Harbinger, from their superintendent in New South Wales, to the 30th Dec. Mr. Spence writes from Louiss Creek:—"You will be glad to learn that this morning (the 30th we got up steam for the first time, and tried the engine. It worked most beautifully from the first, without a jar, leakage, or anything objectionable. We put the wheel round about 30 revolutions in the minute, and there was no little satisfaction at the completion of so important a portion of the undertaking. The large wheel of the crushing house is to be on the ground this evening, which we shall soon have in its place, and then the rollers will be raised to the cradles, and we shall finish the walls and cover all in. One of the kilns is ready, another nearly so, and the transroad is being laid down, not only along the ridge and to the house, but also on an inclined plane into the long lovel, so as to do away as much as possible with the windlass." Mr. Spence calculates that he can deliver and reduce 30 tons of quartz per day, one month with another; and taking the average at 30 tons per dism, for 25 days in the month, or at the rate of 9000 tons per annum, he estimates that all charges for breaking down, quarrying, raising, breaking, loading waggons, and delivery at a lins, for calcining, and expenses of engine and reduction houses, and general superintendence and incidentals, will amount to oper ton of quartz) it. 16s.

Value of gold per ounce

Less royalty, 3 per cent

Less royalty, 3 per cent

Supposed profit

Elt 4 3½ per ton

Supposed profit

Suppos

statement of the accounts would be shortly forwarded to the directors.

Business in the Gold Mining Share Market this week has been almost at a standfull. Sellers and buyers equally hold aloof; and in no instance has there been any important change in prices. The Carson's Creek Company, we understand, are about to re-commence operations. Previous to so doing, it would be politic if they held a public meeting, so that their shareholders might be informed of the slatus is quo. The chairman of the Anglo-Californian Mining Company has likewise published a statement, excusing Sir Henry Huntley, their local manager, attributing the delays that have arisen to the defective mechinery sent out from here. This may probably be the case; and without making any harsh comments, they are no excuses for the extravagant statements which from time to time have been received from sir Henry Huntley. We mentioned last week that gold had been discovered in Ceylon; we have now to report that this has taken place at the Cape of Good Hope. We do not dispute the fact; but, considering the doubt which is thrown on nearly all the Californian and Australian adventures, no legitimate speculation can take place in these localities until absolute results are arrived at elsewhere. The arrivals of gold this week have been—The Harbinger, with 73,000 case, of gold; and the Sourceign of the Seas, with 37,300 case, making a total of 110,300 case, valued at 441,2001. The transactions on the Stock Exchange will be found in the usual place. The non-official are—I-Aigle d'Or, % to % dis.; Golden Mountain, % to % dis.; London and Virginia Gold. % dis. to par; Garnett and Moseley, par to ½ prem.; Chancelloraville Freehold, % to ½ per share.

In Miscellancous Shares the market has been steady, showing an upward tendency. Australian Agricultural opened at 36% to 37; Feel River, % dis.; Netherlands Land, 1 to 3; South Australian Land, 34; North British Australasian, 3 to 3; Halace shares a decided improvement has taken place considerable business being done

American, 80 ½ %; Chartered Bank of Asia, 3%; Chartered Bank of India, Australia, and China, 187 to 13 dis., Commercial of London, 11 genen, English, Socialia, at China, 187 to 13 dis., Commercial of London, 11 genen, English, Socialia, at China, 187 to 13 dis.; London Joint-Stock, 283; Oriental Bank Corporation, 41 to 48; South Australia, 36 to 38; Union of Australia, 36 to 51; Ditto New, 6 to 7.

In Iron and Coal Companies, during the week, business has been done in Portland Iron at ½ prem, and Rhymney Iron has advanced to 29 31. In other companies the market has been unusually flat; indeed, scarce any transactions have taken place; the following are the nominal price: —British Iron, 6 to 8; Rymney Iron, new shares, 8 to 10; Australaisan Coal, ½ dis. bor par, Mount Carbon Coal, ¼ dis. bor par, Mount Carbon C

and the second s		oon direct	Les onnies	
Bank of New South Wales. Comm. Banking C. of Sydney Australism Joint-Stock Bank. Bank of Australasia. Union Bank of Australia	250,090	20 per cent. Estab. Dec. 1862 15 per cent.	40	£32. 39 ex div. 6 ex div. None offered. 100 per ct. pr.
Omon Bank of Australia	1,000,000	40 per cent.	£25 & £3 108.	100 per ct. pr.
	LEAT	ORES.		
		he 13th April.		
Mines.	Tons.		. Pur	chasers.
Caylan	13	£16 18 6		-
ditto	2	12 0 0	40000	-
and the second second second	Sold on t	he 15th April.	10111-0012	2000 000 10
Wheal Mary Ann	72	£28 4 6		illyams, & Co.
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Esgair Lleo	50	16 2 6	Dilwyn	and Co.
Penhale Consols		ne 17th April.		Capped hat I
rename comors	50	£15 6 0	J. T. Tre	enry.
Laxey		ne 18th April.	1 01-ma 337	llyams, & Co.
Newtonards	100		J. P. Ey	ton
ATOM COMMENTS OF THE PARTY OF T		to 20th April.	deg. by	ion.
Great Wheal Baddern	Soun on fi	aven April.	7	
	93	£18 16 6		-

Capital. Dividends and

per share.

Stock.

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Mines.	Otto	6.	4	10.		620	her	ou.	£121	a a	5-Williams.
revenen			2	10		P1.7	0	0			
ditto		9	3					0		6	0- ditto
				8	old or	n the	14	th Apr	il.		
enzance Consols .	. 1	6	3	19		£71	0	0	£95	11	0-Bolitho.
ditto			ĩ					0		8	0- ditto
ditto		2	3					0		12	6 - ditto
Wh. Augusta (leav.)		8	3					0		11	7-Williams, &c.
Bosorn (leavings)		7		14		50	0	0		13	
Sound (seastings)		•						Mine.			
Lewis	16	11	3	23				0	9		e maliaba
ditto		5	1					0		9	6-Bolitho.
		10	ň	0	******	65	15	0	1282	2	6-Bissoe Company.
ditto											0-Daubuz.
Rottle Hill	- 8	n	- 0	- 0		603	7	B)	533	. 0	U-Daubuz.

COPPER ORES. Sampled March 29, and sold at Swansea April 18, 1854.

Mines.	Tons.	Produce.	Pri	ice.		Mines. Tons. Produce. Pric	.8.
Cobre	59	21 %	£23 l	14	6	Waterloo Slag 15 9 £8 12	. 0
ditto	57	21%	23 1	15	0	ditto 8 13 14 14	0
ditto		21%	22 1	14	6	Lackamore 50 83 8 16	
ditto	55	23	23	3	6	ditto 25 8% 3 16	0
ditto	51	23	23	8	6	ditto 12 16 17 7	6
ditto	53	21%	22 1	16	0	ditto 5 5 0	0
ditto	31	223	23 1	14	6	Glasgow Slag. 30 114 0 5	0
ditto	50	2214	23 1	19	0	Berehaven 76 104 10 6	0
ditto	48	2214	24	6	6	Spanish 37 2% 2 6	8
ditto		65%		17	0	ditto 18 7 4 8 8	0
ditto		135		10	6	ditto 4 19 20 1	0
ditto		133	. 14	0	0	Holyford 48 201/ 32 13	
ditto		13		14	6	ditto 11 10% 11	6 0
ditto		13		7	0	Cwm Dyle 37 4 3 12	9
ditto	67	21 %		6	6	ditto 6 93 9 16	6 0
ditto		21 %		6	0	African 14 35 4 39 18	1 6
ditto	47	21 14		3	6	ditto 34 1 34 1 38 13	8 6
<b>Peninsuta</b>		5%		17	0	ditto 9 3532 39 13	
ditto		614	. 6	13	0	Ballygahan 42 312 3	1 0
ditto		4%	5	7	0	Dyliffe 28 84 8	5 6
ditto		6%		15	0	Cronebane 19 734 8	5 0
Knockmal		8%	9	5	6	ditto 3 35 36 1:	3 6
ditto		13%	14	10	0	Tigrony 3 35 36 13	
ditto		13%		5	6	Nant-y-Car 14 35 3 16	3 0
ditto	40	10%	11	5	0	ditto 5 11 10 1	4 0
Ballymuri		3%	3	4	0	ditto 3 14 4 15	
ditto		494	4	6	6		5 6
ditto		2%	2	3	0	Burra Burra . 16 23 24 1:	
ditto		317	2	5	6		1 0
ditto	4	55%	57	7	0	Australian 7 13 14	3 0
Waterloo		4%	4	0	0	Ballymurtagh 3 55 56 1	2 6
	-			CAI	P	RODUCE.	
Cobre		1030 £2	1.340	4	6	African 34 £1340	9 0
Peninsula				11	0	Ballygahan 43 128	3 0
Knockma			3336	16	0	Dyliffe 28 233	3 0
Ballymur			852	8	0	Cronebane 22 267 1	1 6
Waterloo			566	12	0	Tigrony 3 109 1	7 6
Lackamor				10	0	Nant-y-Car 22 151	1 6
Glasgow			22	10	0	Geifron 20 385 1	0 0
Berehave			782	16	. 0	Burra Burra 16 394 1	
Spanish			306	6	6	Glanmore G 14 113 1	4 -0
Holyford		59	1216	6	0		1 0
Cwm Dyl				18	6		7 6
	COMPA					OPES WERE PURCHASED	

94 ..... 90 ..... 76 ..... 59 ..... 43 ..... 903 10 0 Nant-y-Car.... 22 10 0 Geifron .... 782 16 0 Burra Burra ... 306 6 6 Glanmore G ... 1216 6 0 Australian ... 192 18 6 Ballymurtagh COMPANIES BY WHOM THE ORES WERE PURCHASED. 

Total 2312 £34,568 0 6
Copper ores for sale May 9.—Cobre 406—Berehaven 225—Knockmahon 204—Bally-murtagh 102—Spanish 91—French Slag 65—Gurtnadyne 42—Glaumore 35.—Total, 1170 tons. AVERAGES.

	Produc	· LORDING L	89.	rice.			Stan	don	4
British	816								0
Foreign		**********		15	0	***********	120		6
Sale	13 1.	.16	£13	15	0		£122	7	0
Totals-Brit	ish, 1097; I	oreign, le	<b>115</b> =	251	2 t	ons (21-c	wts.)		
	AVERAGE	ES OF L	AST	SAL	LE				
	Produc	e.	P	rice.			Stan	dar	đ.
British	8%		£9	5	6	**********	£129	12	0
Foreign	15%		16	4	6	**********	121	3	6
	-		Asserted to			ons (21-c	£122		

COPPER ORES. -Sampled April 5, and sold at the Royal Hotel, Truro April 20.

Mines.	T	ons.	P	rice		Mines.	Tons.		P	rice	
Devon Grea	t Consels ) .	120		11	0	Holmbush	65 .		£2	18	
Wheal Jo	stah 1		. 201	**	.0	ditto			2	13	0
ditto	***********	109	. 8	9	0	Great Wheal Sheba	92		.2	18	6
ditto	**********	107	. 6	18	6	ditto	65 .		4	0	0
ditto	************	96	. 7	2	0	ditto	51 .		3	14	0
ditto	*******	90		15	0	Wheal Arthur	72		6	14	0
ditto		89	. 6	1	6	ditto	59 .		8	17	6
ditto	***********	85	. 7	15	6	ditto	55 .		1	10	6
ditto	******		. 5	5	0	ditto			- 5	4	0
ditto	***********	49	. 8	6	0	Pembroke & E. Crin	nis 62 .		- 5	5	0
ditto	***********	48	. 3	15	6	ditto	58 .		6	12	0
ditto	**********		. 2	5	6	ditto	45 .		13	5	0
Wheal A	nna Maria	98	. 6	15	6	ditto	17 .		2	8	6
ditto .	***********	97	. 7	15	6	Bedford United	84 .	*****	6	14	0
ditto	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	95	. 7	9	6	ditto	83 .		7	17	0
ditto	******************		. 7	10	6	Wheal Friendship .	74 .		9	18	6
ditto	************	78	11	12	0	ditto	70		3	17	6
Wheal F	anny	94	. 7	1	0	Wheal Messer			5	0	0
ditto	*******	. 87	6	12	6	ditto	40 .		2	3	0
ditto	***********	32	2	18	0	Wheal Russell			5	- 5	0
ditto	.,	31	. 0	15	6	North Wheal Rober	rt 54		8	19	6
Wheal M	laria	76	. 7	0	0	ditto	16		- 6	1	+
West Cara	don	107	\$	17	6	Great Onslow Cons	ols . 65 .		2	15	0
ditto	***************************************	95	8	19	0	Callington	64 .		- 5	12	0
ditto	*************		8	18	6	Wheal Crebor	64		4	3	- 6
ditto	************	47	15	10	6	South Bedford Con	sols 51		. 3	1	6
ditto	************	42		4	0	Wheal Crowndale	50		. 1	16	6
Marke Val	ley	103	:	18	6	Devon and Cornwa	1 20		2	14	0
ditto			2	8	- 6	ditto	6		. 9	17	6
ditto	499-003110000		. 1	1 12	0	North Wheal Dams	el 23		10	0	- 6
ditto	***********			1.18	- 65	Wheal Carpenter	13		12	18	0
Hingston 1	Down		1	7	6	ditto	9		. 12	1	- 6
ditto	************		7	2	0	East Wheal Russell	22		. 4	12	6
ditto	***************************************	44	11	10		Wheal Regent			. 7	18	6

1	Holmbush 90 3 16 6 South	Wh. Gorland	9	3	5	1
8	TOTAL PRODU	CE.				
f			0	£486	0	1
1	Wheal Josiah   Whea	Russell 8	2	430	10	1
		Wh. Robert 7	0	581		1
-		OnslowCons. 6	5	178		-
e			4	358		1
		Crebor 6	4	286	8	1
		dford Consols 5	1	156		1
đ			0	91	5	1
8	Holmbush 217 698 13 6 Devot		26	113	5	1
h			3	230		1
١,	Wheal Arthur 203 1178 6 0 Whea		22	276		1
-		Wheal Russell	22		15	а
t			01	79	5	1
,	Wheal Friendship 144 1425 14 0 South	Wh. Gorland	9	. 29	9	1
6	Average Standard £140 5 6   Average Price per ton		10 0	******	6	39
-	Owentity of Ove			ons 4	cwt	8.

LAST SALE.—Average Standard. £139 16 0.—Average Produce Standard of corresponding sale last month, 139'. 18s.—Produce 6'%.

	COMITABLES BI WHOM THE ORES	11 2020	H K C MEC	THE PARTY	200		
•	Mines Royal Company	129		£ 842	14	6	
	Vivian and Sons	893				6	
	Freeman and Co	385		2284		0	
	Grenfell and Sons					0	
	Crown Copper Co.		**********			3	
	Sims, Willyams, Nevill, and Co	540				3	
	Williams, Foster, and Co		*******			9	
	English and Australian Company		**********			.6	
	Mason and Elkington		*********			0	
	F. Bankart	118		834		0	
	Copper Miners' Company	307	*********	1742	2	3	

# Antices to Currespondents.

Ave Maria Company.—Sir: "Scrutiny" is informed that all movements short of a suit in equity, or winding-up, are useless. I have the opinions of Queen's counsel to bear me out. In the Missing Journal of last Saturday, page 211, will be found the last examination of Mr. H. Kirk, one of the directors, lately made bankrupt. Credit is taken for cash realised by the sale of 570 shares in the Ave Maria Mine for 2151, and 300 South Australian Copper Mine, 360. It coacé out, on examination, that these were free shares, presented to him gratis by the promoters. It is but fair to pressume that each director received a similar number. For what! Why for purchasing worthless property at so much more than it could possibly be worth, seeing that the vendors return some of the purchase-money in shares to the directors, who are called trustees of the shareholders, as a bribe for "selling" the latter. Verily, matters become worse every day.—H. Gukalla.: April 20.

Gold Rincertion.—Six: Much has been written in these days of gold mining about the best mode of reduction of that valuable metal. Now, learnest you to let this letter appear, to ask some of your well-informed correspondents what really is the method at present in use at the mines of the 8t. John del Rey Company for getting the gold out of their ores. I refer specificially to that was establishment, as it is so frequently quoted as the criterion of successful results. If you will do this, you will do not only myself (a very constant reader of your valuable Journal), but perhaps also many other subscribers.—A Missa: April 20.

Dix II's Bridge.—We are not it a position to state what is the largest diameter of paddle-wheels to any steamer affoat, but do not think there are any so large as 45 ft. The paddles of her Majesty'ship Retribution, with enginee of 500 chorse power, are 24 ft. diameter. Perhaps some of our readers, conversant with such matters, will favour our correspondent with a reply.

National Perhaps of the Ship Perhaps have found to the secretary of the secreta

too high to lend himself to any chicanery.

'Inquirer'' (Bond-street).—The beautiful gold and silver filagree work is principally manufactured in Maits; some beautiful gold and silver filagree work is principally manufactured in Maits; some beautiful specimens were exhibited at the Great Exhition in 1851. From statistical documents lately prepared, it appeared that, from 1830 to 1853, the value of the gold worked was 299, 2394; the workmanship was estimated at 64,917.—making a total of 5369, 299.

In the workmanship, 14,322.—making a total of 536,23. During the last few years the employment of gold had materially exceeded that of silver.

"L." (Madrid).—The quotation of Wheal Crebor referred to was an error; the present price is about 26s. Although they were knocked down at a sale by auction at 11, 17s. 6d., that amount cannot be relied upon, as it is possible the shares were bought in.

bought in.

The insertion of the drawings of the new process for the reduction and amalgamation of auriferous and other gold-bearing minerals, on the pestle and mortar principle, which was alluded to last week, is unavoidably postponed until our next Journal. So no slight alterations have been considered judicious, and the necessary engravings are not, therefore, sufficiently forward for this week? Journal. The delay is much to be regretted, for we have received numerous communications and queries on the subject, which would have been fully answered by the drawings. The inventor is Mr. Henry Moss, and a working model will be ready for inspection very soon at the offices of the Trenult Mining Company, 5, Martin's-lane, Canon-street. Capt. John Hitchens, who has just returned from Brazil, would have been thankful if the Brucutu Gold Mining Company, in their publication of the lat April, had replaced the words, one of the best mines in Brazil, for one of the best speculations in Brazil.

in Brazil.

Appearance of the control of the contro

taining hydraulic power for raising water to any height with the greatest facility and economy, in connection with his improved syphons, and which the inventor states will effect a complete revolution in hydraulic statistice.

IRE GOLD MACHINES.—Siz: I declare it is quite bewildering to be connected with mining just now. What with crusher after crusher, we are really bewildered. I do not know whether this last arrival is positively a real American, or whether it is like the reaping machine, which was found after all not genuine. What makes me think so, I am very much interested in one of the Virginia mines, and we had a machine much like it sent over several months ago, and, I expect, at work by this time. The drawing if the Supplement to your Journal of the 5th inst. puts me so much in mind of the one sent, that I should like to know which is the original one.—A Constant Subschier. Broad-street, April 13.

Yerrah Manner Mining of the one sent, that I should like to know which is the original one.—A Constant Subschier. Broad-street, April 13.

Yerrah Manner Mining of the one sent, that I should like to know which is the original one.—A Constant Subschier. Broad-street, April 13.

Yerrah Mining Mining of the one sent, that I should like to know which is the original one.—A Constant Subschier. Broad-street, April 13.

Yerrah Mining Mining of the one sent, and in the sent.

Combine Refineries of It; however, only 5600 are in circulation, on which a call of 10s. per share has been paid; the present price of these shares is M. The mine is situate on Craven Moor, near Skipton, and about 33 miles from Leeds. There are about 32 veins of lead already known in the sett.

Combined Refineries and Forder Skipton, and about 35 miles from Leeds. There are about 32 veins of lead already known in the sett.

Combined Refineries and Forder Mining Mining Lee from your Journal of the 1st inst. that Mr. Talbott, one of the palentees referred to, has taken notice. I do not know that Mr. Jones's plan of refinery and turnaces combined

WEST GRANDA (OR V.RASUAS) GOLD AND SILVER MINING COMPANY.—"A Share-holder" complains of the course adopted by the committee. At the present time the shares are of no value; but by the proposed arrangement they may become marketable, when, if our correspondent does not choose to pay the 5s., he can

transfer them.

METCALFE COPPER MINE, JAMAICA.—This mine, which ran up to 181. premium in Maylast on II prid, was on Monday last 1/6 discount. They now report having made a discovery of silver, but it would be well for the public to take a hint from one who has been on the property, and to think of the Nova Sootia scheme, which this mine resembled up to Monday last, and be cautious how they meddle with it, or else, when too late, they will find that they have sunk their money in a company who have literally aquandered away 16,0001. In 18 months. They now have a balance of about 10001., with liabilities and a doubtful title, and with every prospect of winding up in June or July; but, in the meantime, there will be a call, by way of subscription, to work the silver discovery.—Jamaica: Southampton, April 21.

of subscription, to work the silver discovery.—Janakan: Southampton, April 21.

\*R. H. B. "(Moorgate).—A company, with a capital of 100,000., is already formed in Cape Town, for working copper mines in the colony. Several smaller companies are in course of formation. About 100 tons of copper ore have been received during the past year in Cape Town from the northward. The Australian mines, in 1815, only yielded 20 tons; in 1848 their produce was 17,000 tons.

TEX COAL QUESTION.—We have pleasure in acknowledging the receipt of a valuable paper On Coal, from our talented correspondent, Mr. Joseph Holdsworth, in which has endeavoured to place the matter in its true light, both as regards its domestic bearings and geological relations.

ne has endeavoured to piace the matter in its true light, both as regards its domestic bearings and geological relations.

A. X." (Thames-street).—Mr. Fairbairn's excellent work, "On the Application of Cast and Wrought-Iron for Building Purposes," noticed by us in the Journal of the 4th March last, is published by Mr. John Weale, 59, High Holborn. It contains most valuable information on the subject, and gives the results of all the most recent and important experiments on the strength of these metals. To give some idea of the size of some of the erections in which Mr. Fairbairn has employed iron, where the greatest strength is required, we may refer to the cotton mill of Messrs. John Whittaker and Brothers, near Ashton-under-Line, one of the most extensive extructures of the kind. The main building is 300 ft. long, 60 ft. wide, and 6 storeys high; it contains 24,900 square yards of flooring, 40,000 spindles, and 1800 Joons. It cards, spins, and weaves into cloth about 54,000 yards, or 30 miles of calico per day. There are two steam-engines, of nominally 300 horse-power, but which can perform an actual duty equal to 800 horses. These set in motion nearly 100 spur and bevel wheels, 4800 ft. of shafting, on which are fixed 1250 drums or pulleys for driving the different machines, the whole weighing 460 tons; and this great weight is kept in motion at velocities varying from 50 to 200 revolutions per minute, for 10 hours per day throughout the year; and taking it at 316 working days, gives the enormous production of 17,041,000 yards, or 7340 miles, of calico per amnum. The catablehment belongs to three brothers, who have also another factory, producing together 16,000 miles of calico per annum.

One of Five "should take some means of communicating with his co-adventurera

One of Five "should take some means of communicating with his co-adventure in the Cape of Good Hope and Natal Coal and General Mining Company. It mube evident we could not publish his anonymous letter.

be evident we could not publish his anonymous letter.

Ferrene." (Reptford).—It is very uncertain at what exact period cast-iron came into use: but it was certainly applied to the casting of cannon shortly after the invention of gunpowder. Savery and Newcomen partially employed it in their cylinders and pampe; and Smeaton, in 1755, applied it to new purposes, for which he was considered highly blameable; but it is stated by Tredgold those very pieces of cast-iron, were working in perfect order 27 years after, and that the use of that metal became very general in the North of England in consequence of such success. The celebrated iron bridge at Colebrook Dale, erected in 1773, from castings made by Mr. Wilkinson, ironmaster, of forcely, at the suggestion of Mr. T. F. Pritchard, ironhisted, of Eyton Turret, Shropshire, was the first construction of the kind in Fangiand, and, perhaps, in the world. The bridge was constructed by Mr. Onions, who made some ingenious alterations on Mr. Pritchard's plan, and suggested how stone or brick arches might be constructed with cast-iron centres, always to remain permanent.

We have particularly to request that subscripers and others, in paying accounts, will send cheques or post-office orders, in preference to postage-stamps.

# THE COMMERCIAL NEWSPAPER PRESS.

THE COMMERCIAL NEWSPAPER FRESS.

The publication by Government of the number of stamps issued to the respective Newspapers affords a fitting opportunity to acknowledge the very ample patronage we have received for our endeavours to make the Mining Journal worthy of public support.

The steady progress in Circulation is the best evidence of appreciation; while the considerable increase of our Correspondents, in all parts of the world, shows that the interest in the objects to which the Mining Journal, Railway and Commercial Gazette, is more particularly devoted is not confined to this country; and the repeated assurances of approval we receive, lead to the fair expectation that, as the same spirited and independent system of mananagement is pursued, we may well roly on a continuous increase of our supporters and circulation.

The following list will show that the number published of the Mining

The following list will show that the number published of the MINING

Newspapers. MINING JOURNAL	1851.		1852. 147,000	 1853. 200,032
RAILWAY TIMES		*****	121,004 25,500	 82,152 19,475
MINING JOURNAL	241,880 11 <b>8,7</b> 80		235,004 147,000	194,427 200,032

The other Commercial Newspapers may be thus classed,—also showing the circulation of the MINING JOURNAL to be considerably more than all

MINING JOURNAL	124,688 118,750		105,975 1 <b>47,000</b>		130,800 200,032
THE MERCHANT	23,000	*****	18,000	*****	14,000
LONDON MERCANTILE JOURNAL	17,500		19,300		
JOURNAL OF COMMERCE	23,000	******	21,000		27,500
THE REPORTER	24,881		12,075		32,550
LONDON COMMERCIAL RECORD	36,300		35,600		41,250
Newspapers.	1851.		1852.		1853.

# THE MINING JOURNAL

Railway and Commercial Gagette.

LONDON, APRIL 22, 1854.

In our last Journal we alluded to the position assumed by the operative coal miners of the North, to the resolutions in which they expressed their own opinions, and to the petition to the Legislature, in which they embodied what they feel to be their grievances and their wrongs, and in which they demand measures for their redress. We have now an opportunity of presenting this most important document to the public, which begins by this prominent and startling announcement, that their calling is "of so dangerous a nature, that about 1000 persons are killed annually in the mines of this country." That this appalling statement is not an exaggeration clearly appears from the following analysis, made by Mr. MATHER, and published in his recent work, of the number of violent deaths in mines from the 21st Nov. 1850, to the 31st Dec. 1852, for England, Wales, and Scotland, extracted from the reports of Government Inspectors, published Scotland, extracted from the reports of Government Inspectors, published in March, 1863:—

Staffordshire, Shropshire, Worcestershire, North	the accident.	deaths.
Wales, Lancashire, and Cheshire	41% per cent	. 757
Northumberland, Durham, and Scotland		. 313
Scotland (for a part of the time, alone)	17% per cent	. 236
South Wales, Gloucestershire, Somerset, &c	38 1/4 per cent	. 362
Yorkshire, Derbyshire, Nottinghamshire, Lei- cestershire, and Warwickshire	es ber cent	. 254
Lancashire and Cheshire (1852), North Wales for four months, Worcestershire and Shropshire for eight months, 1852	71 per cent	. 221
Total of violent deaths in 2 years 40 daysAv. Which is equal to 1016 deaths p	46% per cent. er annum.	2143
CAUSES.	Per centage on the whole number of deaths.	
By explosions	30 per cent	
Falls of roof	34.7 per cent	
	21.32 per cent	
Other causes	13.86 per cent	297
Total number of deaths		2143

Total number of deaths

We have on former occasions complained, and we now repeat our protest, against that logislation which confines itself to merely requiring from the inspectors a return of those actually killed, and treats as nothing the numbers of human beings who are annually maimed, mutilated, and deprived of sight in the numerous tragic catastrophes which have occurred from explosions in the coal mines of England. That such a reproach should be suffered to continue almost unnoticed, in addition to the many glaring imperfections which surround the branch of jurisprudence relating to the management of our collieries, reflects but little credit upon those Members of the Legislature, who have hithorto undertaken to frame laws for the protection of our coal mining population.

Can we be surprised, therefore, that the working colliers should at length appeal themselves to public sympathy, and should demand, as they now do, that "the number of inspectors should be increased, and that subinspectors should be appointed in such numbers that each pit, on the average, might be inspected more frequently than formerly?" The men, in their petition to Parliament, strongly enforce the imperfections of the present system of inspection; but when we remember that the Act did not come into operation until the 21st Nov. 1850, and while we freely admit that time must have elapsed before its machinery, even imperfect as it is, could have been put in action, or the duties of its officials understood, it is impossible to deny that results have flown from it so very beneficial, as fully to justify its revision and extension. Mr. MATTHIAS DUNN, one of the Government Inspectors, in a treatise recently published at Newcastle, entitled, not very appropriately, A History of the Steam-Jet, as applicable to the Ventilation of Coal Mines, has furnished us with the following table, illustrative, in some degree, of our impression:—

Symppias of Deaths from Accidents is the Counties of Deskans, Northumberland, and Cumberland, since the Com

Synopsis of Deaths from Accidents in the Counties of Durham, Northumberl

Cumbertand, since th	re Course	sence	ments of el	se 'Wane	Tuebeen		-	
From Nov. 21, 1850, to	_ In s	hafts.	Ex-	s. dam		alls of	e. dries	. Total.
June 30, 1851		13	8	1	*******	21	29	72
Dec. 31, 1851	******	5	49	(		15	19	88
June 30, 1852	********	17	33		********	19	27	97
Dec. 31, 1852		11	5			26	16	58
June 30, 1853	******	12	7	(		28	32	79
Dec. 31, 1853	********	17	12	1		30	12	72
1	-		a colorador.	-				400
Aggregate	*******	75	144,	1 2	1	139	135	466
Average	3334	13	18		14	32	23	7736
The above table show	wa that			st three	half-ye	ars, the	death	

The above table shows that, during the first three half-years, the deaths from ex-plosion amounted to 1 in 3 of the aggregate; whilst, during the latter three half-years, the proportion has diminished to 1 in 9.

years, the proportion has diminished to 1 in 5.

Mr. Dunn's pamphlet is little more than a compilation of evidence with which the public were previously well acquainted from the parliamentary reports; we regret, however to perceive, from the small portion of it which is original, that he does not appear to be working harmoniously, either with his colleagues or the coal proprietors in his district. Unanimity is desirable in every movement, and at the present moment, when an extensive measure of colliery reform may be fairly contemplated, divisions in the counsels of those who feel interested in ensuring success must be detrimental. Mr. Dunn's is, of course, attached to the system of inspection which he himself administers, and feels indignant at the idea of the establishment of a board in London, constituted jointly of scientific and of practical persons, with an increase of inspectors and sub-inspectors, and new machinery to check, instruct, and govern, the inspectors, viewers, and coal owners. We, of course, cannot pretend to say whether Mr. Dunn's production, opposed as it is to such improvement, was published in anticipation of the declared opinions of the operative classes; but we and new machinery to check, instruct, and govern, the inspectors, viewers, and coal owners. We, of course, cannot pretend to say whether Mr. Dunn's production, opposed as it is to such improvement, was published in anticipation of the declared opinions of the operative classes; but we confess that we concur with them in their prayer to Parliament, that all officers and managers of mines should be well grounded in the science of ventilation—that none should in future be appointed to such officers with-

out first being examined by a board, or some party appointed for the purpose, "as they feel convinced that the want of such arrangement with the admission to such responsible situations of many percent way unfit for such offices." We may, however, for our present purpose, as unme that the existing inspectors are in every respect qualified sea, as unme that the existing inspectors are in every respect qualified sea, as unme that the existing inspectors are in every respect qualified for the duties; but surely no person can pretend that six inspectors, and such the number limited to the entire of Great Britain, are sufficient for the full and efficient discharge. That they are wholly insufficient is plus from the admissions made before the Select Committee of the House of Commons during the last assession, by themselves, when some of the stated that it was impossible for them to inspect all the mines in the stated that it was impossible for them to inspect all the mines in the stated that it was impossible for them to inspect all the mines in the stated that it was impossible for them to have been several districts more than once in from three to five years.

The labouring coal miners must, of all classes of men, be the most competent to judge of the causes, they are perhaps the most likely to sugar adequate means of averting the frightful estateryheats to the proposition, by which they entire the commendations which they so carnestly express, but it is impossible to withhold general sea; from the proposition, by which they entreat the Legislature "to endorse, sinking of more shafts, and at such distances from each other, that each of the air-passages, &c., shall be more than two miles in length from the downcast shaft to any of the working places." It is scarcely creful that a system of ventilation should be tolerated by Government in that a system of ventilation should be tolerated by Government in that a system of ventilation should be tolerated by Government in the should be applied to any of the working plac

any connected in, and nave in enert not notated to express unmany contempt for the system of enquiring into the causes and consequences fire-damp explosions by coroner's inquests. We have never hesitately express our own opinions, that such tribunals constituted a deep represent on the administration of justice, and we have now the very classe for whose satisfaction such juries are presumed to be empannelled, precising that the majority of them are almost always, "if not invariably, persons directly under the employ of the owners, and, therefore, very imperperly insist that henceforth "jurors be chosen from persons only, wholar no direct or indirect dependency upon the owners or managers of and mines." There is decisive evidence that the lives of upwards of 200 human beings have been sacrificed within two years, to causes which are satisfied might have been in many instances prevented, and still to vordicts, in almost every instance, have palliated culpability and contracted guilt. We have repeatedly insisted that the ancient law of misslaughter is inapplicable to modern machinery and our extended operation, and that it is essential that any new legislative enactments for regulation our coal mines should lay down peremptory rules and regulations, at expressly define and declare that all violations of, and departures for these, should be deemed and dealt with as statutable offences, and be puishable as such.

We expressly expression without expressing the blazer

these, should be deemed and dealt with as statutable offences, and be pushable as such.

We cannot conclude our observations without expressing the please we feel at perceiving, that the operative colliers evince their gratitude the act of the Legislature, which prevents boys under 10 years of age fee being employed in coal pits. We have lately had occasion to notice conviction for a breach of this humane and salutary law, and we have doubt that the recommendation contained in this petition, of restricts the hours of labour in the collieries for boys under 14 years of age fee 12 to 6 hours, will receive the anxious consideration of the Roug. If any portion of this very remarkable document entitles the framers of the peculiar praise, it is that part which expresses their earnest anxiety promote, extend, and perfect the education of their children. It is novel feature in the requirements of the calumniated and despised population of our colliery districts to see them imploring Parliament, that should be rendered compulsory on the owners of mines to build schools their several collieries, and tendering contributions from their weekly satings to support them, "so as to procure for their children a good at moral education." There are in the tone of this petition indication are entitled to the more sttention, as coming for those who are doomed to be the future victims of any feeble or infected attempts at legislative relief. The plain and simple language in which the petitioners have explained what they require, furnishes to be yearded conference in London a useful guide for their deliberations, and wenture to predict that they will best display their wisdom by sustains and supporting the recommendations of the pitmen of the North. ishable as such.

It is somewhat satisfactory to find that, while so much doubt exists to the future prospects of the Californian gold mining companies, when have honestly professed to do nothing, when accusations of a granter are but too true, and from quarters when it is feared in isolated issues are but too true, and from quarters where certainly it should not be pected excuses are brought forward of unavoidable delays, broken for machinery, and hydrostatic experiments producing no results, but disable faction at the conduct of the superintendents, distruct in the director, all reachinery, and hydrostatic experiments producing no results, but designed faction at the conduct of the superintendents, distrust in the director, discontent among the sharcholders, there is one association who, see having concealed any reports, either for good or evil, from their property have been able to come forward honestly and candidly to state their so position to their constituency. The association we allude to is the Quant having concealed any reports,
have been able to come forward honestly and candidly to make
position to their constituency. The association we allude to is the
ROCK MARIPOSA GOLD MINING COMPANY, a report of whose me
the control of t was the last formed during the so-called "gold mining mania," and eapired that this compensation of the so-called gold mining mania, and eapired from the public as was obtained by those who have used its worthly: like most of their compeers, they had obtained a less fix cold. Francour, who had promised them the "best location" be possessed.

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in obtaining several mines on Maxwell's Creek, on which, notwithstanding the difficulties they had to encounter, they have in a very short period which had fallen and rendered the roads impassable, coupled with the detention of the mail, actual results of gold would have come to hand here. We do not allude to produce by assays, which are brought forward by one companies at different periods to amuse the public, but the gold from practical working. In the report will be found what operations have been conducted at the mines, and the progress that has been made, and it is not, therefore, our intention to allude to them here. We would eally remark, it would be pleasing and more satisfactory to the shareholders of inseveral other goldmining companies we could mention, if directors, either specially or by annual report, would condescend to enter into such details. It must have given some surety to the shareholders of the confidence the directors had in the stability of the property, when two of their body, both practical men of business, advanced to the company over 65002, without appealing to the general body; this speaks volumes. It is now proposed that the 16,005 unissued shares shall be distributed pro rate among the present holders; this, to our thinking, is a wise step, and with present propects, will be amply sufficient to develope all the capabilities of their men and now prosperous property. Where mining operations are conducted fairly and honestly, the directors ought never to be cramped for want of capital; and borrowing, either of individuals or bankers, is a system which, if possible, should always be avoided, and never resorted to except in cases of extreme necessity. We have heard the complaints of everal companies, that in the first instance they had not capital enough, which in a great measure has hitherto retarded their operations—this may be the case; some have, however, never thought proper to state what they have done with the money intrusted to them; while ethers have published general accounts is obtaining several mines on Maxwell's Creek, on which, notwithstanding the difficulties they had to encounter, they have in a very like they have the like t

A most valuable paper, the first of a proposed series, published by order of the Lords Commissioners of Her Majesty's Treasury, has been presented to the public by Robert Hurt, Esq., Koeper of Mining Records in the Museum of Practical Geology and Geological Survey. In is entitled "Statistics of the Produce of Copper, Lead, and Silver, from the Mines of the United Kingdom, with the Imports and Exports of those Metals from 1848 to 1852 inclusive." Mr. Hurt very justly observes, that as "the value of any statistical returns must depend entirely on their correctness," he has thought it necessary to state the sources through which the information had been obtained, from which his tables were compiled. With respect to copper, the ticketing papers regularly published in this Journal of the sales in Cornwall and at Swansea, have been sed, but as a considerable quantity of copper is not sold at public sales, the returns of sales by private contract have been obtained from the agents of the respective mines themselves, and from the copper smelters, and these have been added to the quantities sold by public sale. As to tin, the means of information would appear to be less precise. Some of the mines have, however, recently published their sales of black tin, or tin ore; the tin smelters have afforded satisfactory replies to every caquiry; the agents of the tin mines have also furnished information of their produce; and it is hoped that a regular system of returns from all the districts producing tin will shortly be arranged. The ticketing papers of the lead sales in Flintshire, although not published, have been obtained by favour for the Record Office; every lead-producing district throughout the United Kingdom had been communicated with; and each individual mine of any consequence consulted as to its produce of lead and lead ore. The system of obtaining the produce of silver has not, it would appear, is system of obtaining the produce of silver has not, it would appear, is system of obtaining the produce of silver has not A most valuable paper, the first of a proposed series, published by order the Lords Commissioners of Her MAJESTY'S Treasury, has been pre-

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eign, frish, & Welsh., 203,437 ...

Total

Year, Ore.	Copper.	Value	
1848 Tons 147,701 To	ns 12,241 19 2 5		
1849 146,326	11,683 19 0 22	614 19 0	
1850 155,025	12,253 10 2 21	110 16 0	
1851 150,380	11,807 8 2 18	702,947 8 6	
. 1852 165,593	11,776 17 2 24	975,975 14 0	
For the five years. 765,025	59,943 9 3 6	£4,083,039 14 6	U*
From Irish, Welsh, and for	eign mines, sold at	Swansea:	
Year. Ore.	Copper.	Value.	
1848	ons 8672 18 0 15	£362,418 11 0	
1849 43,593	7540 2 3 22	564,585 16 0	
1850 41,586	7108 8 1 11	549,258 -3 -6	
1851	6015 0 2 17	463,353 3 0	
1852 31,654	4901 18 3 6	164,314 16 0	
For the five years 203,487	34238 8 3 15	£2,604,580 9 6	
Total of copper smelted at	Swansea during the	above five years :	
Ore.	Copper.	Value.	
	Tons 59,943 9 3	6 \$4,083,039 14	6

968,462 94,181 18 2 21 £6,687,570 4 0

34,238 8 3 15

2,604,530 9.6

The estimated produce free and mines of the United Kingdom, for the same five years, was 450,000 tons of ore, and 308,108 tons of lead. The following tabular view of the produce of silver from lead ores will prove of great interest to our readers:—

STIMATE OF SILVER PRODUCED FROM THE MINES OF GREAT BRITAIN

THE PERSON ASSESSED AND ADDRESSED BY THE PERSON OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON OF	AND IRELAND	IN 1852.	
A VALUE TA ANDROL	portion of alives in each ton of ead in ounces.	Total ozs. of silver produced in each district.	Value.
Cornwall Devonablire Camberland Durham, Northumberland, a	35 40	250,008 91,340 52,893	£62,502 22,835 13,223
Cardigan, Carnarvon, and Ca		91,689	22,920
Pintsbire and Derbyshire Montgomery and Merionethe Ireland Scotland	shire 6	47,138 5,563 32,220	11,784 1,390 8,055
lt is state of the A	20	19,048 36,700 818,325	9,675

of their wealth. As statistical information is now generally adopted in of their wealth. As statistical information is now generally adopted in every branch of practical science as the most attractive, as well as the most unerring, means of conveying instruction, and as the Government has placed at the command of the highly intellectual characters to whom the administration of the Metropolitan School of Science applied to Mining and the Arts has been confided, sources of information beyond the reach of private individuals, we are justified in expressing a hope that the enquiries so worthily commenced by Mr. Hust will not be exclusively confined to home. We can fully appreciate the difficulties which must exist, and the prejudices which must be removed before the best conceived machinery for procuring statistical information, even in this country, can be regulated or fully set in motion. The noble duke, who presides over the Colonial Department of the administration has set a glorious example in liberalising the institutions of our colonies, and merely to point his attention to the importance of the enquiries we suggest, will be sufficient to insure his active and ardent co-operation. A well-regulated system of mining statistics at home, such as Mr. Hust has introduced, will be the surest means of enabling us to procure similar information from our several surest means of enabling us to procure similar information from our several dependencies abroad; and by ascertaining from authentic tests our colonial, as well as home capabilities, we may be at all times able to regulate our supplies to meet the requirements of our demand.

nail, as well as home capabilities, we may be at all times able to regulate our supplies to meet the requirements of our demand.

The attention of the railway world is seriously directed to Mr. Carnwall's Railway and Caral Tarffle Bill, which proposes to interfere very extensively with the powers and privileges, conferred by Act of Parliament, for the regulation of traffic by the railway companies themselves. The measure comes on for discussion in the House of Commons on the 1st of May, and the executive officers of a large majority of our railway companies are preparing themselves for a determined opposition to its outrageous enactments.

Those clauses which Mr. Carnwall has introduced into his bill for the compulsory transmission, under the direction of the Board of Trade, of through traffic over two or more railways, and the regulation of their tolls—also under the supervision of the same tribunal—are founded upon complaints laid before the committee of the House last session, that traffic had, to the great inconvenience of the public, been delayed or forwarded over a circuitous route, or charged at unfair or unreasonable rates of toll, for the purpose of benefiting particular railway or canal companies. To remedy this, Mr. Carnwall's bill enacts—

"VIII.—Itshall be lawful for any company or person who shall have recovered judgment or obtained a degree against any railway company, or railway or canal company, in any action or sait is one of Her Majesty's superior courts at Westminster or Dublin, or in the Court of Session in Scotland, for breach of any duty imposed upon such company by this Act, or any Act for the time being in force relating to such company, or otherwise imposed by law upon such company, or any advisor of starting, stopping, or arriving of any of their trains, or with respect to the times of starting, stopping, or arriving of any of their trains, or with respect to the house of starting, stopping, or arriving of any of their trains, or with respect to the intensity of the court of the relat

the matter, or to direct any other proceeding to be taken; and the company so served shall thereupon be liable to be death with by the court as a party to such action or suit, and it shall be lawful for the court to make such order as it thinks fit respecting to the cost of any such action, suit, or petition as aforesaid."

The offect of those clauses will, undoubtedly, be the handing over to the to Court of Chancery the power to reduce the tolls, rates, and charges, which it the Legislature has authorised the companies to demand under their Acts, and on the faith of which their lines and works have been constructed, and this power is to be given on the complaint of any company or person, and on reports to be called for from the Board of Trade. It will also give the Court of Chancery power to make whatever arrangements and regulations it should think fit for the management of our railway traffic, and as the bill expresses it, "with respect to the times of starting, stopping, or arrival of any trains," as well as to make any orders, and direct such acts as it should think fit in respect of such matters—in fact, the bill if carried into a law in its present shape, would place in the Court of Chancery a power, not simply to administer the law on judgments obtained on complaints made by any railway company or person, but to make whatever law it should think fit for the interchange of railway traffic, and the regulation of railway tolls; and this making of the law would, it must be remembered, be virtually in the hands of a governmental department—viz., the Board of Trade.

We do not deny that the practice of railway companies, in dealing with through traffic and in their toll charges, is open to very serious objection; but we protest against this wholesale handing over to a Government department the power of interfering with the privileges which the Legislature has granted to railway companies, and on the presumed certainty of the full exercise of which, they have, under every possible discouragement, in both House parties, the Government, unmindful of the pledge given in 1844, bring forward a measure that leaves untouched the grievances of railway companies, and practically hands over to the Board of Trade the regulation of tolls, rates, and charges, and the times of starting and stopping railway trains. We predict that Mr. Cardwall will not carry his bill, and we believe that he has not the alightest chance of doing so.

At the Wharneliffe meeting of the Brighten Company, on Thursday, the shareholders were loud in their denunciations of this attempt to interfere with the privileges of our railway companies. The directors had introduced into the bill clauses in accordance with Mr. Cardwall's measure, for the compulsory transmission of through traffic and the results.

introduced into the bill clauses in accordance with Mr. CARDWELL'S measure, for the compulsory transmission of through traffic, and the regulation of 'tolls, and an adjournment of the meeting was prevented purely on the statement of the chairman, that the omission of the clauses might endanger the success of the bill, and that as the works contemplated by it were of immediate necessity, they would, in that event, have to be paid for out of revenue; and that, therefore, the shareholders might be deprived of their dividend. The meeting, however, would not permit the bill to be approved of, without passing the following condemnatory resolution:—
"That this meeting, although assenting to the bill, views the forwarding

clauses with great apprehension, and is of opinion that the subject matter of these clauses ought to be dealt with, if at all, by general legislation, and not forced on the promoters of private bills." It is right to observe that this resolution was suggested and written by the chairman himself, and that if the meeting had given expression to their feelings in a resolution of their own, the bill would have been condemned altogether. We shall return to this subject in our next Journal.

The Deposit and General Life Assurance Company have convened a meeting for the 27th inst., for the purpose of confirming or dissenting from certain resolutions passed at an extraordinary general meeting, held on the 3d inst. The careful and very able manner in which this undertaking has been conducted has been fully confirmed, not only by the unanimous approval of the shareholders, but by the almost unparalleled success which has attended the united and unwearied services of the directors, the energetic exertions of the officials, and the persoverance and industry on the part of the local agents. That the proposition of the directors to increase the capital to 200,000t., by the creation and sale of new shares of 5t. each, will be cheerfully responded to there can be no question; indeed, so completely alive do the policy-holders appear to be to the value and importance of the suggession of the board, that it requires neither argument nor recommendation to satisfy them that their financial position will be materially improved, and if possible more firmly secured. The proposed additional capital will enable the management to develope more fully the loan operations; which, even upon the limited scale they have already been extended, have created a large increase of returns. If this portion of the company's operations be effected, this society cannot fail to become highly remunerative, as well as of the utmost utility to the trading community. The terms and conditions upon which the new shares are proposed to be issued are as liberal as it was well possible to make them, and many will, no doubt, be anxious to avail themselves of the opportunity which is now offered of increase of capital cannot fail to ensure a more than corresponding increase of business. The DEPOSIT AND GENERAL LIPE ASSURANCE COMPANY have convened

# THE IRON AND METAL TRADES OF SOUTH STAFFORDSHIRE.

[FROM OUR CORRESPONDENT IN BIRMINGRAM.]

APRIL 20.—The last of the quarterly meetings of the ironmasters was held at Dudley, on Saturday evening last, when the prices which I have already forwarded you were fully confirmed. There was a large attendance of the trade, and many buyers at the hotel, and a considerable amount of business was transacted; since then there has been comparatively very little done, in consequence of the Easter holidays. Few of the men throughout the district have made their appearance at the works up to the present time, and there is nothing to be heard of for miles round except merry-making railway trips. The order sheets, however, continue to arrive at the works, and next week will find them all in full operation again. The coal-pits have, also, been deserted; and it is to be regretted that no small amount of excessive indulgence and irregularity has been observable amongst the colliers. The schoolmaster, it is true, has done much amongst them, but very much yet remains to be done before they can be made to appreciate the blessings of that abundance of work and wages they have so long enjoyed, and be prevailed upon to save in place of squander their earnings. During the absence of the men from the works the bricklayers and carpenters have been altering and repairing, as is their custom at holiday times; and never, perhaps, was there so much of this description of work to be done as at the present time.

In the Copper Trade there has been very little business transacted during the past week; stocks are rather heavy than otherwise, and there is certainly no tendency to advance; on the contrary, purchases can be made at a small reduction upon the last quotations; and the same will apply to the Tin Trade. This is no doubt owing to the fact of the manufacturers confining themselves to actual orders, and not making for stock in the general brass and hardware trades. Indeed, it is not to be expected that the manufacturers would make for stock under the altered circumstances of banking accommodation and high rate of interest. The demand, therefore, for all description of metals has very considerably subsided, and not likely to return until some favourable result arrives from the seat of war, to restore confidence, and loosen the hold of the money-lenders.

In the Gun Trade there is increased activity. The Government have issued some fresh orders, and those, taken in connection with little done, in consequence of the Easter holidays. Few of the men throughout the district have made their appearance at the works up to

and those of Fox, Henderson, and Co., the utmost activity prevails in all the above branches.

The fancy trades are dull, particularly the jewellery business, the prosperity of which is generally taken as a sound index of the general trade of the country. We have been almost entirely deprived of the Lancashiro market, owing to the prolonged and truly unfortunate difference between the masters and men in that district; and had it not been for the Australian market, many of our manufacturers would have felt severely the loss of this portion of our home trade. Prices, however, are still maintained, and without any probability of an immoderate reduction.

The Share Market during the week has been deserted, and nearly all speculation in public securities has been suspended pro tem.

# RON AND COAL TRADES OF YORKSHIRE AND DERBYSHIRE.

[FROM OUR CORRESPONDENT IN DONCASTER.]

APRIL 20.—The demand for iron continues unaffected by the declaration of war, and as the consumption is chiefly for American, Indian, and European states, which will probably not be checked or influenced by the war, there is every reasonable ground for expecting that present prices will be maintained, if not advanced. The enhanced value of pigs is greater than upon bars, so that the pig-makers, who recently complained of not having had an adequate advance, are now reaping a rich harvest. Pigs are realising from 41. 15s. to 51. 19s. per ton, according to brand; and the demand for pigs, as well as some other descriptions of iron, is considerably in excess of the supply. A few weeks ago we alluded to the increase of ironworks in Yorkshire, and the extension of some of those already in existence in the neighbouring county of Derby. It affords us much satisfaction, therefore, to notice this week the opening of the Claveland Ironworks, on Thursday last. The two new furnaces, which are situated at the Eston Junction, on the Middlesborough and Redear Railway, have been erected by Thomas Light Elwon, Esq. The two furnaces were "tapped" on the day just alluded to, amid great rejoicings; and at one o'clock the molten metal was run from the furnaces for the first time, amid the firing of cannon, the waving of flags, and the inspiriting strains of the band of the North York regiment of Rifles, in which Mr. Elwon holds a commission. The leading and induential inhabitants of Stockton and Middlesborough, and the gentry of Cleveland, were present, the majority of whom partook of a splendid uncheon, which was provided in the engine-shed attached to Messrs. Bolckow and Vaughan's works at Eston, which adjoin those of Mr. Elwon, who occupied the chair, and was supported right and left by W. Stinner, Esq., mayor of Stockton, H. W. F. Bolckow, Esq., mayor of Middlesborough, G. J. Scurfield, Esq., W. R. J. Hopkins, Esq., J. Vaughan, Esq., &c. The usual loyal and patriotic toasts were given and responded to, and success to the Cleveland Ironworks was drank, and heartily responded to. At 6 o'clock in the evening, the workmen were treated to an excellent supper, after which they patticipated largely in the pleanures of the dance.

The Middland Mining Company, whose adventures were briefly noticed in our last, have will be maintained, if not advanced. The enhanced value of pigs is greater than upon bars, so that the pig-makers, who recently complained of not

era of Cart. Win. Boardy, of Bane-Volence

# SUBMARINE TELEGRAPHS.

At the time when the submarine telegraph is performing such an important part in the transmission of news, it is interesting to trace its origin, and to record its gradual progres

Some years since, Colonel Colt (in America) demonstrated the practicability of laying down a telegraph wire under water, by placing one in the Hudson River, at a ledge of rocks called "Hell-gate," and forming a line of communication between New York and the opposite bank.

Many attempts were subsequently made, with more or less success, and among them Dr. O'Shaughnessy's experiments in 1839, on carrying telegraph wires through water, at Calcutta, must be mentioned.

The idea of laying a wire access the Channel was however, deemed visualized to the contract of the contract of

of communication between New York and the opposite bank.

Many attempts were subsequently made, with more or less success, and among them Dr. O'Shaughnessy's experiments in 1839, on carrying telegraph wires through water, at Calcutta, must be mentioned.

The idea of laying a wire across the Channel was, however, deemed visionary until, in 1850, a few gentlemen determined to test the alleged practicability of perfectly insulating a copper wire, by means of a covering of gatta percha, and laying it down between Dover and Calais. This was successfully effected, and a constant communication was kept up between the two countries, for an entire day, until the gutta percha was chafed through by rubbing on the rocks, and the insulation was destroyed. This experiment was, however, considered sufficiently decisive to induce the formation of a company, in 1851, for the purpose of establishing a permanent submarine communication with the Continent. Some very eminent English engineers were consulted, but their opinions were not favourable, and a commission of French engineers officially pronounced the scheme to be impracticable. At this period Mr. Crampton, a young engineer, whose attention bad hitherto been chiefly directed to railways and to the construction of locomotive engines, in which he had introduced some decided improvements, having expressed a favourable opinion of the project, was invited to interest himself in it, as he had done in the first experiment of laying down the single wire. He accepted the proposal, and the scheme was brought forward; but there was so little public confidence in its feasibility that not more than 5 per cent. of the required capital was subscribed; the directors became dispirited, and the project was on the point of being abandoned, when Mr. Crampton, feeling confidence in the soundness of the theory, and in his own resources for the practical execution of the plan he had devised, offered to provide half the requisite capital, and to be responsible for the success. The directors embrac

At the present moment numerous submarine cances are being constructed on the same principle as that originally laid down by Mr. Crampton, and by nearly the same means as he devised, and the most gigantic projects for the extension of the system to enormous distances are seriously entertained by the same public who formerly hesitated to credit the possibility

tained by the same public who formerly hesitated to create the possibility of its traversing a comparatively shallow strait, 20 miles wide.

It is unnecessary to dilate on the importance of this application of science, especially when the successes of our fleets and armies may depend on the rapidity of the information conveyed by this "lightning-winged messenger,"

Additional statement of dislocations are conducted by its means. With rapidity of the information conveyed by this "lightning-winged measenger," and the conferences of diplomatists are conducted by its means. With these facts, and their acknowledged consequences before us, it is our duty to give "honour where honour is due," and to assert, that it is to the scientific intelligence, practical skill, and spirited confidence of Mr. Crampton, that the world owes the submarine telegraph; as certainly as that to the indomitable perseverance and energy of Mr. F. P. Smith, the almost universal introduction of the screw propeller is due; and if by the aid of the latter the present momentous struggle for maritime supremacy shall be decided, it is by means of the former the intelligence will be conveyed to us.

PNEUMATIC TELEGRAPH.—Mr. Joseph Ilaley, of Lisbon, has taken out a patent in England for a system of telegraphic apparatus, to be worked by a column of atmospheric air, by which he proposes to supervede the employment of electric currents. A column of air is confined in a tube, extending from one station to another, to each end of which is to be adapted an air-pump, whereby the air may be rarefied or compressed, and thus made to actuate a signal on an indicating apparatus, placed also at each end of the tube. The indicating apparatus consists of a close chamber, provided with a strong glass cover, and is constructed precisely on the principle of the Aneroid barometer. Or the index hand may be moved by the action of the air on a cclumn of mercury, similar to the common mercurial barometer. The claim is for a telegraph acted on by a column of air, worked by a piston enclosed in a cylinder.

PORTABLE RAILWAY.—A new and ingenious plan of portable railway has been patented by Mr. W. Crosskill, especially adapted for the use of common road carriages, with common wheels, as well as for railway carriages; which, however, is only advocated for situations where the expense and time necessary to establish a permanent line prevents its being carried out. Mr. Josiah Parkes, the eminent engineer of Great College-street, has inspected and reported on a line of 1000 yards, now laid down at Beverley, and is designed for service at Melbourne, and for experiments for the information of Mrs. Chisholm and others, previous to her taking out a portion to Australia. In this report, Mr. Parkes states that the railway is well-designed for the object intended; it is simple and light, but quite strong enough for loads from 2 to 4 tons, drawn by horses; it is readily put together, laid down at a small cost, and well adapted for practical use. The line at Beverley is purposely laid down on a very irregular piece of ground, presenting very sharp curves and steep inclines; yet, with some heavy experiments and severe tests, it stood them most successfully. The contrivance is peculiarly adapted to Australia, as the merchants and carriers could use their own carriages, and thus diminish outlay. Mr. Crosskill has also introduced a double line for still more important purposes, by which army carriages, parks of artillery, &c., might be transported. The cost is only from 1100% to 1400% per mile.

The System of Blasting in Collieries.—The two great explosions at the Ince Hall Colliery, near Wigan, by which within a period of 12 months nearly 150 lives have been sacrificed, have led the owners to forbid the firing shots (or blasting) in the mine. The jury, it will be recollected, expressed an opinion that such a course was dangerous. Of course a higher price has to be paid (4d. per ton) for getting coals by the wedging system; but the colliers are so prejudiced in favour of blasting, by which more coals and higher wages are secured, that nothing like a full complement of workmen can be got into the mine on the new system. Colliers have been heard to express great readiness to go to work at Ince Hall, if allowed to "fire abots." but less wages, though accompanied with greater security to life and limb, are insuperable objections to the majority.

EXPORTATION OF IRON PROMIFITED.—Sudden inconvenience of a serious effaracter has just been experienced by the London firms in the iron trade from a resolution conveved to them through the Customs, prohibiting the exportation of all kinds of iron to the continent of Europe. Many skipments have thus been stopped to Hamburgh and Rostock, and other ports in the Baltie, which, inasmuch as they were in excution of orders, cannot be suspended without loss or difficulty. It is presumed that some general regulations will be forthwith issued to facilitate the continuance of the regular trade, under such restrictions and securities as may be deemed sufficient; but unless these are of a simple nature, and are issued promptly, great damage will be inflicted in many quarters.—Tracs.

Dred-On the 15th inst., at Ulverstone, in his 45th year, Capt. John Boundy, managing agent of the Ulpha United and the Coniston United Mines, Comberland, and eldest con of Capt. Wm. Boundy, of Bans-Vale House, St. Agnes, Cornwall.

# CRUSHING AND AMALGAMATION OF AURIFEROUS ROCK.

A combination of apparatus for reducing and amalgamating has just been patented by Mr. A. E. L. Bellford, of Castle-street, Holborn, which appears to be an improved modification of Berdan's machine; and, strangely ugh, it contains the introduction of several appliances which we have

appears to be an improved modification of Berdan's machine; and, strangely enough, it contains the introduction of several appliances which we have heard suggested by Cornish mine engineers.

It consists of a set of vertical stamps, placed on an elevation above the pulverising and amalgamating basins. They are of the common Cornish form, and acted on by the usual method. They are constructed to give 45 blows per minute, with a 15-in. fall, equal to a blow with a hammer weighing 600 lbs. The pulverised material passes through a wire frame in the size of small shots into a series of basins, placed at an angle of 45°, revolving on their own axes, in which is a suitable ball, weighing 3000 lbs., and quicksilver being placed in the lower part of the basin perfect amalgamation takes place. The lighter matter passes off over the lip of the basin. There are several ingenious arrangements in the details of this machine—in the first place an incline plane guides the rock in proper quantities under the stamps, which are constructed with best chilled iron heads at each end, and thus, as they can be turned when one end is worn, they can do double duty. The pulverised material is washed into a series of basins, by a small stream of water; only one ball is employed in each, which continues rolling in the lower portion of the basin where the material is gathered, which is there exposed to the rolling pulverising weight, continually presenting a new surface to the quicksilver; any oxides or other coating of the particles of gold is rubbed off, passing away with the water, and facilitating the amalgamation. The same water used under the stamps is employed for the amalgamation, and there is a grate beneath each basin and ball arrangement is secured—although the ball revolves round an imaginary axis in the basin the latter does not rotate; but, by the action of the machinery, every point in the periphery is continually becoming the lowest; consequently the ball by its gravity follows the motion of the basin, constantly making the

# BERDAN EXPERIMENT AND REDUCTION WORKS COMPANY

The works in the Commercial-road, Lambeth, are progressing very raidly, although some slight delay has occurred through the Easter days. The foundations have been made for two large basins, and the machinery is fully expected to be in operation by the lat of May next. Several of the tailings have been experimented on, and have only produced 1 per cent. of gold.

Report of experiments from 2d April to Wednesday 5th April, 1854:

		Weigh	it.	Gold	in me	ercury.		Total	R		per t	
No.	Name of owner.	lbs.		Befor	e.	After.		gold.		oz.	dt.	gr.
33.	Mr. Salomons	. 100		8.8	gr	9.20	gr	0.4 g	r	0	0	8
34.	ditto	. 75		8.8	***	36.0	***	33.1	***	2	1	- 4
35.	ditto	. 75	***	8.8	***	8-8		******			-	
36.	ditto			8.8		48-0		42.6		2	13	0
37.	ditto	. 75		8:8	***	3.1		0.3		0	0	- 8
38.	ditto		***	8.8	100	0.8		20.5		1	5	12
39.	ditto	. 75		8.8	0.00	10.8		2.1		0	2	17
40.	ditto		***	8.8	***	2.4	***	19-8		ı	4	15
41.	Mr. Thos. Routledge		***	8.8		9.3	0.00	0.4		0	0	11
42.	ditto			8.4	0.11	8.4	***	26.8		1	13	- 8
43.	Mr. Coveney	. 100		8-8		46-8		69-6		3	4	2
44.	Mr. Lloyd			8.8	***	10.40		5.6		0	7	0
45.	Mr. Coveney			8.8	0.4.4	10.8	***	2.0	***	0	1	20
16.	. ditto			8.8	***	11.5		2.40		0	- 2	- 5
47.	Mr. Lloyd	. 75	***	11.6	***	20-6		18.0		1	- 2	9
48.	ditto	. 75		11.6	***	34.0	***	34.0	0.00	2	2	7
49.	Mr. Reynolds			11.6	***	37.0		37.4		2	6	13
50.	Mr. Fellowes			11.6	***	29-6		18-0		0	16	9
	Mr. Davies	. 75	***	11.6	***	24.7		30.5	040	1	17	14
52.	Mons. Sevin	. 75		11.6	***	30.0		18-4		1	2	21
			_	_	_							

Berdan Experiment and Reduction Works Company.—Prof. Henry, accompanied by a compotent engineer, has been dispatched to the Commeisian Mines, to fully investigate the chemical difficulties in working the autiferous produce, as described in last week's Journal. They have continued to obtain at the rate of 1 oz. to the ton, but it is supposed a much larger quantity is in the stuff. A full report of the various scientific experiments in progress will appear next week.

TENDALL'S PATENT GOLD MACHINE. -Two samples from the Chancelorsville Freehold Gold Mining Company (the mercury being distilled by F. Claudet)—No. 1 produced fine gold 7 ozs. 12 dwts., silver 1 oz., to the ton: No. 2, fine gold 4 ozs. 6 dwts., silver 9 dwts.

Reduction of Metalliperous Rocks.—Considerable ingenuity and perseverance appears still being exercised for the production of machines for crushing gold quartz, and other metalliferous ores; among the most recent patents for which is one taken out by Mr. L. W. Wright, of Chalford, Gloucester. It consists of an iron cylinder, revolving on a central shaft, set in action by any prime mover, around which are fixed a number of smaller cast-iron rollers, made to revolve by frictional contact with the central cylinder. The whole is surrounded with suitable framing, and surmounted by a hopper, through which the material is fed, and which being partially pulverised by passing between the several cylinders passes into a receiver below. For the purpose of reducing this to an impulpable powder, a machine is used, constructed somewhat on the principle of the old Chilian mill, the action being reversed. The shafts of the vertical cylindrical crushers are fixed to suitable framing, and the horizontal circular bed plate cast with deep flanges, being made to revolve beneath them, they rotate by frictional contact. A third invention under this patent is a washing machine, consisting of a wheel with dashers, caused to revolve in a trough, or vessel, in which the pulverised material is placed, in order to break it up, and well mix it with water fed into it. The water and metallic stuff then flow through a channel into a deep vessel containing an agitator, to which rotatory motion is communicated, when the lighter particles are thrown to the circumference, and the heaviest matter is deposited at the bottom, near the axis of the revolving column. REDUCTION OF METALLIPEROUS ROCKS.—Considerable ingenuity and

New Discovery in Smeltino.—Many silver-lead ores also contain copper, which not only embarrasses by its presence the extraction of allver, but in the end is totally lost. Many plans have been suggested for removing the copper out of the slag, but all inapplicable on a large scale. If we are to believe the testimony of a Russian mining agent, M. Guerngross, superintendent of the smelting works of Zmeinogorsk, in the Altar Mountains, this difficulty has been successfully overcome. His plan, at all events, is rational, and deserves to be tried. It consists in subjecting the slag, either alone if it contain sulphur, or mixed with sulphate of soda if necessary, to a process of slow roasting, and washing the residue. The roasting operation generates sulphuric acid, which, uniting with the copper already oxidized, forms a soluble salt of copper, which can be easily washed away. This method, remarks the discoverer, may be applied to many ores of copper and silver, as well as slags, requiring neither lead nor mercury, nor salt, for the purpose of removing the copper. Its advantages are thus obvious. Instead of the complex operations now followed. New Discovery in Smelting .- Many silver-lead ores also contain tages are thus obvious. Instead of the complex operations now followed, it would suffice to stamp the ore, pass it through a sieve, roast it, and wash it, by which means removal of the copper would be effected.

SEFARATING IMPURITIES FROM MINERALS.—Mr. Joseph Gibbs, of Abing, don-street, Westminster, has recently patented some improvements in the methods of separating impurities from coal and other minerals, in cases where such impurities are of greater specific gravity than the minerals themselves. The apparatus consists of a washing-machine, in which a flow of an upward current of water through a receiving vessel is employed to carry over the coals, or other light mineral substances; while the heavy impurities sink to the bottom of the vessel, and are removed by another current of water directed down upon them, through a sluice open for the current of water directed down upon them, through a sluice open for the purpose. The material is to be first ground into a rough powder, and then sifted into parcels, containing particles as nearly of equal size as possible.

PATENT WATER-GUAGES FOR STEAM-ENGINES.—The letters patent, dated November, 1852, granted for improvements in water-guages, or instruments for indicating the height of water in boilers, was last week submitted for sale by tender, by Mr. Teague, solicitor, of Crown-court, Cheapside. These patent guages have hitherto been much used, and found very advantagedus, by various railway and other companies. Upon opening the tenders, on Wedneslay, the highest amount offered not being sufficient, the parties have determined to dispose of the patent by private contract.

COATING IRON WITH GLASS.

Having received numerous communications from parties interested in the subject of enamelling iron, we now give the following particulars of one process, taken from the specification of a patent, secured some times since by Mr. F. Walton, a practical tin-plate worker of Wolverhampton. In the Mining Journal of June 8th, 1850, we inserted a general description of another method of manipulation, as practiced by Messra. Selby and Johns, of Birmingham; and, as the two processes materially differ, the information will, no doubt, prove interesting. The articles to be traded are first subjected to a full rod heat in an annealing furnace for half in hour, allowed to cool slowly, and their surfaces secured clean, bright, and freed from all grease, when they are ready for the first coat of ename, which is composed of six parts, by weight, of flint glass, three of bors, one of red lead, and one of oxide of tim. These are pounded together, a mortar, and then kept at a strong red heat in a reverberatory furnace for three or four hours, during which period they are frequently stirred, to effectually mix them, and expel all volatile matter. When partially vitrified, the whole is withdrawn in a pasty state, dropped into cold water, and is then easily ground to powder, which is called "frit." With a part of frit is mixed two of calcined bone-dust, which is ground in a pore-lain mill until perfectly fine and soft, and of the consistence of this cream, when it should be strained through a fine cloth. The article is be coated is now held over the vessel containing the semi-liquid, and suitable quantity poured over it with a spoon; but some articles may dipped in the enamel. When drained, and sufficiently dry as no longe to run, they are glaced on a stand of three points of carthenware, and placed in a japanner's stove, kept at a heat of 180°, until all moisture is expelled; defective places may be filled up with a brush. When perfectly dry, they are placed in the vitrifying furnace at a glowing rob has a present and when the coating

ployment, may now be obtained at a moderate cost.

Copper Mines of New South Wales.—It appears that considerable systematic attempts are now being made to test the quantity and richaes of those copper ores in New South Wales which have long been know to exist, the indications, also, being highly promising. At the Summe Hill Mine, about 25 miles from Bathurst, copper ore was discovered by shepherd about five years since, when several persons subscribed towards the expense of making experiments, the results of which was, that the were satisfied of the existence of ore in large quantities, yielding from it to 25 per cent. for copper. A company was then formed, called the knurst Copper Mining Company, under lease for 42 years, at a small resident and royalty. Four shafts have been sunk on three distinct lodes from 100 to 300 feet, and numerous levels have been driven, from which quantity of rich ore has been taken. They have a new 20-horse power Cornish engine, several large heaps of ore are calcined ready for smelting, one furnace is already exected, and there are unwards of 2000 tom wood on the ground for fuel. All the necessary exections and machinery are on the mine, and great hopes are entertained of a successful residence of the company of the covernment, and transferred to the Ophir Mining Company. The operations only company are on the mine, and great hopes are entertained of a successful residency of the successful residency of t

LAKE SUPERIOR MINES.—From an authorised return of the mines in the district, including a statement of copper, iron, and silver ores received at Saut Sante Marie during the past year, we learn that 1351 tons 2 cm. 3 qrs. 14 lbs. was taken from the Cliff Mine alone, while the average visit was only about 30 tons. Of 34 Lake Superior copper mines, we find that the proprietorship average in shares from \$6000 to \$100,000, some not yet disposed of by the company, making on the whole \$220,000, and the amount of paid-up capital averages about 12 per cent. of that sum. It value of the Boston and Pittaburg Mine is estimated at by far the highest figure—\$570,000,—while the lowest is the Iron City Mine, stated by worth \$30,000. The whole amount paid on the 34 mines of the Lisuperior copper region, enumerated above, is equal to \$2,120,000. The total value of these mines is equal to \$7,933,500. The amount of copyer received from all the mines, up to the opening of navigation in 1845, estimated at 14,000 tons, equal in value to \$4,620,000. The product of the Lake Superior district for the year 1854 will exceed 3600 tons, which at the present price of copper, will amount to nearly \$2,000,000, or sethird as much as the product of all the English mines. An assay of quantity of ore from the Lake Superior Silver Mine, recently made a London, shows the results set forth in the accompanying extract fines letter received by a gontleman in Detroit. The ore assayed gives who of about \$800 in silver and copper:—"The two casks of copper and sim ore have been crushed and assayed for Mr. A. J. Smith, sceretary of \$2,000,000, or open the copyer of the copy LAKE SUPERIOR MINES .- From an authorised return of the mines

contains 552 ozs. of fine silver to the ton of 20 cwts. of sws, and supercent. of pure copper."

[It will be observed in our advertising columns, that Mr. J. A Callesder is skeric make a second tour through the mines there, already yielding such encorrows returning shareholders, and with a view to select mineral locations on the Canadian shareholders, and with a view to select mineral locations on the Canadian shareholders, and with a conditions for land purchases offering much templated promise to British capitalists. The opening of a ship canal connecting Lake Swring with the lower lakes and the ocean, the rapid increase of population can occur to both the companies of the country, must inevitably tend to enhance the country inch of land bordering that island sea, whether it be rish in missis, adapted for building, agricultural, or other purposes.]

Large Machine for Boring Cylinders.—A magnificent being in has just been completed by Mesurs. G. and A. Harvey, Albim Works, Glaspit, one of Mr. Robert Napier's engine-shops. The frame, which is surmouther thighly ornamental entablature, is 15 ft. high and 15 ft. wide, while his surmouther machinery reaches an elevation of 25 ft., and the whole weighs 30 tens. The what pinions, and shafts, which give motion to the boring tool, are supported our beams of great size and strength. It can be set to work at all speeds, from the surface of the su

gines, and is described as being 2 most complete and highly-disined means.

GUTTA PERCHA COMPANY.—We have, during the week, paid a trivial to the works of this company in Wharf-road, City-road, which are see its executed in place of those completely destroyed by fire about twelve months by the entergetic measures taken by the director, and the present erections, considering their extent and importance, bard, so grant and the present erections, considering their extent and importance, bard, so fire already complete, but when the whole is finished the extent will more that aready complete, but when the whole is finished the extent will more that works is now built with a range of fire-proof buildings of the most sufficient contraction, and in the course of a few weeks we hope to be able by his our readers a detailed description of these works, which, when complete part of the most significant one of the most imposing, important, and scientific establishments Land.

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BRITISH PROVIDENT FIRE AND LIFE INSURANCE COMPANY At the annual general meeting, at the offices, 4, Chatham-place, Blackfriars, Capt. MALKIN in the chair,

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Capt. MALKIN in the chair,

The report set forth that, notwithstanding the many difficulties which surrounded
stated the company at the time of their last meeting, and which had subsequently
strictly returded their progress, they were gratified at being in a position to state
exited y returded their progress, they were gratified at being in a position to state
that y continued and uncessing exertions, extreme caution and care, and the very
definit assistance rendered by the newly-elected directors and officers, they had
second in placing the British Provident upon the list of first-class stable offices of
second in placing the British Provident upon the list of first-class stable offices of
season of 70,008. In 10d., upon which the yearly income is 2748. 9s. 1d. Not
stagle loss had occurred in the life department. The large sum of 47,270l. of the
spital of the company had been subscribed for, and nearly 800 agents had been apcitated in the principal towns and cities of the United Kingdom. The report confined with declaring a dividend of 5 per cent. upon the paid-up capital for the past
of thanks passed to the chairman and officers of the company,

# MINING LAW, AND THE COST-BOOK SYSTEM.

CHERTS P. JOHNSON AGAIN.—This cause was tried at the last Devon Assizes: the position was, whether the defendant was a partner at the time when the plaintiff applied certain materials to the West Down Mine.

Questis w. Journal and the same was tried at the last Devon Assizes: the question was, whether the defendant was a partner at the time when the plaintiff espidio cratial materials to the West Down Mine.

At a similar trial, in 1852, with another plaintiff (Northey v. Johnson), before Mr. At a similar trial, in 1852, with another plaintiff (Northey v. Johnson), before Mr. Diamond, is the first went to the mine, and on the 6th August called of Mr. Diamond, and told him he accepted his offer. He did not give a transfer, as the took none when he had his shares; he threw them up by the same tenor by which be held them, and since then had not been a partner. A new trial was applied for, a middrection of the judge, who directed the jury that a written instrument was not mecessary. The Court of Queen's Bench decided that, if a man verbally gave solice to his co-partners that he would no longer be a shareholder, after that they had to right to pledge his credit, and refused the rule. At the last summer Devon Assizes, another action (Courtie v. Johnson) was tried, before the last Mr. Justner Devon Assizes, shother action (Courtie v. Johnson) was tried, before the last Mr. Justner Devon Assizes, when the defendant she plaintiff. Subsequently, a new trial was granted, on the ground that the judge his no put, with sufficient clearness to the jury, whether the defendant had not relaxulated he received an offer, dated 24th of August, from Mr. Diamond, who was then purse of the mine; they afterwards met, and it was agreed that Mr. Diamond should like the shares for the call due, which call Mr. Diamond paid. He signed an agreement to take hares, but received no transfer, and therefore did not give one. Mr. Oie proved that in 1849, when there was a trial of strength, Mr. Diamond stated there was only a conditional arrangement entered into with Mr. Johanon's shares. Mr. Peet proved that he bught 1200 shares, and it shares were still under offer to Mr. Thomas, and he might claim them; but shares were still under offer to Mr. Thoma

Discovery of Plumbago in Cornwall.—Hitherto, we believe, this valuable mineral, commonly called "black-lead," has been found only in Cumberland, where it has been known for ages. A valuable discovery has, however, it appears, now been mule at Wheal Trevilliek, near Grampound, in Cornwall, where in piouphing a field several speciments were picked up. A license was immediately obtained from the Duchy, mining operations commenced, and at only 6 fathoms depth the most promising indications presented themselves. Not only large lumps of plumbago of the purest character were found, but other valuable minerals; and we shall wat with much interest for further information.

RED DRAGON MINE.—Mr. W. H. Smith, the purser, has returned to usuafter an absence of three weeks, during which he has been engaged in superincialing the construction of the wheel-pit and buildings, and the formation of the shamel for the water-course. The whole of the work is progressing favourably, and will be completed about the 15th of next month, and ready for the reception of the pid machine, which will be at once set to work, when the patience and enterprise of its arrierous mining set it is the inexhaustible quantity of its gossan and quartz, which might be worked at the rate of 100 tons daily for the remaining term of the less-that is to say, for 20 years to come. The poorest and most unkindly-looking of the gossan taken from the surface on the apex of the mountain, to the depth of ally feinches, produces gold to the extent of 10 once per ten; whilst the gossan taken from the surface, on the breast of the hill, yields gold to the stent of 2½ onnees to the ton. These facts have been demonstrated to the satishation of those parties who are the most deeply interested in the success of the unstraining; and though it has not been deemed expedient by the directors longer to say the erection of one of Perkes's machines on the property, they intend to examine into and test the merits of each one of the inventions now before the public for its extraction of gold from auriferous gossans and quartz, before the operations are laly carried out on the intended extensive plans in view: in the meantime, it is confernity expected that the produce of the machine about to be erected will pay all the writing expenses of the mine, and leave a moderate dividend for the capital invested, said the final arrangements are completed, and the vast consummation so devoutly to be wised for is achieved.

ARENDELL COPPER MINE (NEAR ASHEURTON).—This mine is now at-

eroing north towards the lode. The temperature of the water in the cross-cut is degree higher than in the adit."

Angarrack Consols Copper and Tin Mines.—A new company has so been higher than in the adit."

Angarrack Consols Copper and Tin Mines.—A new company has so been formed for working these mines, which are situated in the parishes of fallsk and Gwinear. The metalliferous character of the district is proved to be one file most valuable in Cornwall. Alfred Consols and Great Wheal Alfred are on the file and the state of the control of the most important in mines in the west of Cornwall, on the cast, all within a mile of Angarrack benesis, and each having violed immense mineral wealth; whilst Alfred Consols is sw making a profit of 20,000, per annum. The length of the sett on the course of leduce in more than 450 fms., and the width 300 fms., through which it cast and its leads in more than 450 fms., and the width 300 fms. through which it least and its least the manger and parser, and Capt. J. Barratt the managing agent. Capt. James et all the supporting on the mine, says.—"The sett is upwards of 450 fms. long and 9 fms. broad, and is in one of the best mining districts in Cornwall. It has 13 large the manager and parser, and Capt. J. Barratt the managing agent. Capt. James sets alread, and is in one of the best mining districts in Cornwall. It has 13 large for mineral control of the set of the shaft, in former working, 6000, with of opper ore, raised within two years, and within the produced, and it in adits, which produce copper, it, in ead, silver, and is, but the mine has only been explored to a very shallow depth. Mellinoweth special to the shaft, in former working, 6000, with of opper ore, raised within two years, and within it fine and remunerative at a mater depth. There is also a promising thi lode, and three large cross-consecutes, the second of the shaft is more distribution of it has same which yielded so much silver in Great Herland Mine, his in the has a super shall be company have headed in t

inecian, some of the former directors retiring.

Discovers of Gold And Silver in The High Prak of Derivshire.

Discovers of Gold And Silver in The High Prak of Derivshire.

About three years ago, a few persons in the neighbourhood of Chatsworth agreed commess mining operations on a very extensive scale, in the mineral liberties of alive, Hassen, Rowland, and Ashford. Uniform and almost unparelleled success ring stiends their efforts, they resolved still further to extend their operations, at with that view crossed the Rilver Wey, in order to try their fortunes on the banks of the Lathill, we crossed the Rilver Wey, in order to try their fortunes on the banks of the Lathill, retreated their effects, they resolved still further to extend their operations, at with that view crossed the Rilver Wey, in order to try their fortunes on the banks of the Lathill, retreated their still make the contract of t

Holloway's Pills, for the Cure of Debilety, Bile, and Liver and bulker Courtains.—This inappreciable medicine is so well known throughout try part de civilized world, and the cures that are daily performed by its use to wonderful, that it now stands pre-eminent above all other remedies, more paralisity for the cure of billows and liver complaints, disorders of the standard, droppy, deciliated constitutions. In these diseases the beneficial effects of this admiration remains a strength of the standard of t 47

## APPLICATIONS FOR PATENTS, AND PROTECTION ALLOWED.

A. E. L. Belford: Turntables.—P. M. Parsons: Permanent way of railways.—H.
A. Archereau: Galvanic batteries.—W. Hahner: Muriatic and sulphuric acids; also,
likaline sulphites.—W. Johnson: Galvanic, electric, and magnetic apparatus.—W.
Fucker and W. Adams: Proventing smoke.—H. Cowley: Bricks.—J. Sandys: Electric
elegraph instruments.—T. R. Crampton: Cruebing &c., ores.—W. Simpson: Railway
signals.—E. C. Willis: Sheet gutta percha.—J. Inshaw, and J. Parker: Suppressing
smoke and increasing draught.—G. Brockelbank: Metals from ores.

signals.—E. C. Willis: Sheet guits perchas.—J. Inshaw, and J. Parker: Suppressing smoke and increasing draught.—G. Brockelbank: Metals from orea.

WEEKLY LIST OF PATENTS SEALED.

Sir J. S. Lillie, South-streat, Finsbury—Improvements in machinery for breaking stones and other hard esbatances.

J. H. Johnson, Liscoln's Inn.-Seids—Improvements in the manufacture of iron.

J. Chesterman, Sheffield—Improvements in hardening and tempering steel, and in grinding, glazing, buffing, and brushing steel and other metallic articles.

W. Raceter, Royal Military Academy, Woolwich—Improvements in the construction and arrangement of the buffing apparatus of railway carriages, and the mode of applying the buffer and draw-springs to such carriages.

B. Fullwood, Abbey-street, Bermondsey—Improvements in the manufacture of ce-A. Robinson, Whitshall-place—Improvements in preparing compositions for coating iron and other ships' bottoms, and other surfaces.

J. Stevens, Darlington-works, Southwark Bridge-road—Improvements in apparatus for giving railway signals.

C. Nicholson, New Broad-street—Apparatus for avoiding collisions of trains on A. Pope, Edgware-road—Improvements in machinery for crushing, grinding, amalgamsting, and washing quarta or matters containing gold.

J. Lives, Hotel Motay, Parls—Improvements in railways and railway carriages.

W. Morrison, Bowling, Dumbarton—Improvements in railway wheels.

A. D. Noel, Chancery-lane—Improvements in the manufacture of zinc white.

J. Stoot, Shrewbury—Improved apparatus for shifting carriages, waggons, engines, and other vehicles on railways and trainways.

The Rev. W. R. Bowditch, Wakefield—Improvements in economising foel, and in the more economical production of light and heat.

# Aransartions nu the Stack Errhaune.

Shares.		Paid.		Last Price	s. Busin	ness Done.
100000	Agua Fria	1	*****	136 - 23	6	2
30000	Anglo-Australian Gold	1	*****	1 - 3		-
100000	Anglo-Californian	36	******	2 - 3		-
10000	Australasian	2	******	1 - 1	2	-
20000	Australian		******	1	2	196 16
60000	Australian Cordillera	1	******	34 - 1	£	1
	Australian Freehold		******	2 - 1		2
	Ave Maria		******	2 _ 1	2	-
200000	British Australian Gold	·· i	******	2 _ 1	2	V
210000	Carsons Creek	" " K		2 _ 3	2	-
100000	Colonial Gold.		******	22 (	14	114 1
	English and Australian Copper		******	18	11.4	214
25000	Fortuna			- 4	*******	2/
	Great Nugget Vein		******	3/	******	12.
60000	Liberty		*****	8 -		2
9000	Mexican and South American		*	0 0	******	200
60000	New Granada	9	*****	0 - 0		676
900000	Nouveau Monde		******	3		50
			*****	79	70 *****	94
100000	Port Philip Pontgibaud Silver-lead		*****	.x -	* ******	%
10000	Pontgionud Silver-lead	20	*****	15 -	7	22/
60000	Quartz Rock		******		******	1%
50000	South Australian	1	*****	26 -		26
70000	Waller	1	*****	%	<b>%</b>	% %
	West Mariposa		*****	14 -	16	-
100000	Yuba	1	*****	x -	1/4	-
100000	Yuba	1		¥ -	17	-

ONDON AND NORTH-WESTERN RAILWAY COMPANY.—

OLDHAM BRANCH CONTRACT.—The directors are prepared to receive
TENDERS for the EXECUTION of the WORKS of the above CONTRACT, which
includes the CONSTRUCTION of a TUNNEL (1200 yards in length), and all requisite Excavations, Embaskments, Bridges, Calverts, Retaining Walls, Fencing, Approach Roads. The Sleepers, Ballasting, and Laying of the Permanent Way, and all
contingencies of every description. The rails and chairs will be furnished by the
company.

Drawings and specifications are now ready for inspection, at the office of the engineer, 13, Duke-street, Westminster, where printed forms of tender may be obtained,
and any requisite explanations as to the intended works will be given. Tenders,
marked "Tenders for Works, Olidham Brunch," addressed to the secretary (under
scaled covers), must be delivered at the company's offices, London-road Station, Manchester, not later than Ten o'clock A.M. on the 15th day of May. The directors do
not bind themselves to accept the lowest tender.

By order,

CHAS. E. STEWART, Sec.

ANCASHIRE AND YORKSHIRE RAILWAY.—LOCOMOTIVE ENGINES.—ON SALE, SEVERAL LOCOMOTIVE ENGINES.—ON SALE, SEVERAL LOCOMOTIVE ENGINES, formerly in use on the Lancashire and Yorkshire Railway; cylinders varying from 11 in, to 14 in., stroke 18 in., diameter of driving wheels from 4 ft. 8 in, to 5 ft. 6 in. A portion of the engines have four wheels, but the majority have six wheels. The whole are in good condition, and will be delivered in working order.—Permission to view, and further particulars, may be obtained by applying to the Company's Superintendent of the Locomotive Workshops, Miles Platting, Manchester.

Manchester, March 29, 1854.

DLD IRON MATERIALS FOR SALE.—SOUTH EASTERN
RAILWAY.—TO BE SOLD, BY PRIVATE CONTRACT, in Lots, about 350
tone of OLD IRON MATERIALS, consisting of wrought wheels and axles, cast wheels
and wrought axles, wrought scrap iron, old springs, and spring steel, iron wire rope,
and sundry old metal. To be seen, and particulars had at the company's works, Ashford, on application to Mr. R. C. Mansell.—Tenders to be addressed to the secretary,
London-bridge Terminus, on or before Wednesday, the 3d of May.
G. S. HERBERT, Sec.
South Eastern Railway Offices, London Terminus, April 17, 1854.

A NTWERP AND ROTTERDAM RAILWAY.—The Directors beg to inform the shareholders, that the FIRST ANNUAL GENERAL MEET-THOUGH of this company will be HELD at the offices in Brussels, No. 70, Rue Royale, on Thursday, the 4th day of May, at Twelve o'clock precisely.

The directors take this opportunity to announce that the line from Antwerp to Rozendaal, with a service to Breda and thence to Rotterdam, will be opened on Monday, the 15th day of May next.

By order of the Board,
16, Cannon-street, April 13, 1854.

16, Cannon-street, April 13, 1854.

CROSSKILL'S PATENT PORTABLE RAILWAY SUPPLIED and LAID DOWN at the rate of ONE MILE PER DAY, on either a LEVEL or UNDULATED COUNTRY, at a cost of £1500 per mile for carriages to carry two tons of goods. See Engineer's Report of actual trials, and every required information, by applying to W. Crosekill, Ironworks, Beverley.

BERDAN'S MACHINE COMPANY.—Notice is hereby given, that in consequence of alterations made in the arrangements with Mr. Berdan, which embrace the property in his inventions in foreign countries, the undertaking has been RE-MODELLED. The ALLOTMENT OF SHARES on the original prospectus will NOT be PROCEEDED WITH, and the public are referred to the offices of the company, 17, Cornhill, for the new prospectus, which sets forth the names of the present directors and the officers.

By order of the Board, 17, Cornhill, April 20, 1854.

TAOR SALE AND READY FOR DELIVERY AT A DAY'S

POR SALE, AND READY FOR DELIVERY AT A DAY'S NOTICE, SIX of EAGGS'S PATENT STEAM STAMPS. Two of Cornish build, £120 each; three of Weish manufacture, £130 each; and one made in London, with all the latest improvements, £160.—Address, Mr. Isham Baggs, Mining Journal office, 26, Fleet-street, London.

MACHINERY OIL of highly lubricating properties may be OB-TAINED of R. AND W. SMTTH, BOW COMMON, MIDDLESEX, or of respectable oil merchants, at 3s. 8d. per gallon, in easks of not less than 25 gallons each. Samples on application.

TO OWNERS OF MINES AND COLLIERIES, MINE CAP-TAINS, AGENTS, FARMERS, &c.—JOHN H. ROBINSON (late J. Oliver and Co.), GREASE MANUFACTURER, OIL REFINER, &c., NEWCASTLE-ON-TYNE—Office, 82, Close.

Oils for Machinery of every description, Pine Oil, Patent Grease, &c.

Oils for Machinery of every description, Pine Oil, Patent Grease, &c. JC

HARES WANTED.—Mr. RICHARD TREDINNICK, No. 42,
LOMBARD STREET, LONDON, DEALS IN every description of MINING,
RAILWAY, BANK, INSURANCE, and other SHARES GOVERNMENT FUNDS,
and PUBLIC SECURITIES GENERALLY.

Mr. Tardinnick is constantly in the markets, and possesses unusually great facilities for the purchase and disposal of mining and other negociable securities; and as
he is ostensibly a DEALER in SHARES, he respectfully offers his services to the
public both as buyer and seller, through which the usual commission paid to a broker
can be saved, Mr. Tardinskick charging only the market price of the day, being satissted with the difference between the buying and selling price at the time the order
is executed. Current lists of prices, and statistical information, acquired over 15
years' residence in Cornwall, and 10 years' experience in the London Share Markets,
furnished gratuitously upon personal application by residents in the metropolis, or
written communications from the provinces.

Mr. Tardinskip can confidently recommend the following mines for investment;

remished gratuitiously upon personal application by residents in the metropolis, or written communications from the provinces.

Mr. Trustrivick can confidently recommend the following mines for investment; most of them pay dividends bi-monthly or quarterly, whilst the residue are situate in good localities, having analogy in their favour, and from the work done and money expended under practical management, are fast approaching profitable positions:—

Bedford United Kirkendbright West Caradon Severn United Botallack North Pool Bryntail South Caradon Leeds Town Consols Severn United Condurrow South Frances North Cornwall South Caradon Leeds Town Consols Mill Pool East Margaret Exmouthfind Adams Boscean Wheal Arthur Wheal Harriett North Baller Wheal Builter Wheal Busset Mr. Tradding to the state of the

MINING, AND GOLD DIGGINGS, SPECULATIONS.—
Mr. HOPKINS has RESUMED his PROFESSIONAL DUTIES in LONDON,
as CONSULTING ENGINEER on MINERAL PROPERTIES, &c. All letters ga
business to be addressed as under for the present.
Hisclients will receive in a few days every information relative to the Gold Regions
of Australia, and what is required to ensure success to public companies in that part
of the world.—38, Thurlor-square, Brompton, 3d March, 1854.

OLD MINES, AND OTHER MINING SPECULATIONS, HOME AND FOREIGN; their EXPLORATIONS and SYSTEM OF REDUCTION, &c.—Capitalists and others requiring INFORMATION, or PERIODICAL ADVICE on the above, for their government, may obtain it on application, of Mr. EVAN HOPKINS, C.E., 38, Thurloe-square, Brompton.

TO LEAD MINE AGENTS.—WANTED, at STONECROFT LEAD MINE, near Hexham, a PERSON capable of LETTING, SUPERINTENDING, and MEASURING WORK; also of SURVEYING and KEEPING UP MINING PLANS and ACCOUNTS.—Application to be made to Mr. Ww. RENSON, Fourstoage, near Hexham, on or before the 26th day of May next.—April 20, 1854.

A PRACTICAL MINE AGENT wishes to meet with a SITUATION as MINE SURVEYOR or BAILIFF. References as to character and capatelity can be given.—Address, "G. S. P.," care of W. Insull, bookseller, Dudley.

MUNDIC FOR SALE IN CORNWALL.—About 100 to 150 tons may be had, delivered at Devoran.—Application to be made, by letter, to Mr. R. Shith, 10, King's Arms-yard, Moorgate-street, London.

EAD ORE.—FOR SALE, about 20 tons of very rich ROUND or POTTER'S ORE, for which tenders, stating the price per ton, delivered in the railway trucks at Skipton, will be received by Mr. Eddy, of Grassington, Gargaray, Yorkshire, until the 29th inst. If barries or other cases be required for pawing, they must be provided by the purchaser.—Grassington, April 12, 1854.

GLENTOGHER MINE, COUNTY OF DONEGAL.—FOR SALE, 20 SHARES in this valuable and productive MINE.—Apply "J. H.," Mining Journal office, 26, Flect-street, London.

CLATE QUARRIES, CORNWALL.—An ADVANTAGEOUS OPPORTUNITY now offers for WORKING within certain lands in the DISTRICT of the DELABOLE QUARRIES.—For terms, apply to Mr. W. D. Kino, discitor, Camelford, Cornwall.—Dated April, 1854.

LIGIBLE INVESTMENT.—TO BE SOLD, TWO HUNDRED SHARES in a well-established SLATE COMPANY, paying regular dividends. The shares are £1 each, fully paid up, and not subject to calls or liability. This is a promising and safe investment, and there is no doubt in a year or two the dividends will increase to 30 or 40 per cent., the demand for slate being unlimited.—Addraw. "X. Y.," Rickerby's Printing office, 73, Cannon-street, City.

WANSEA COAL AND IRON COMPANY.—The directors of this company give notice, that SHARES will be ISSUED AT FAR until the let of May next, to which time applications for the remaining shares will be received.

40, Gracechurch-street, London.

SWANSEA COAL AND IRON COMPANY.—TENDERS, for a HIGH-PRESSURE HORIZONTAL STEAM-ENGINE, with ONE BOILER, equal to 40-horse power, are invited to be sent to the directors of this company, on or before the 1st of May.—Marked on the outside, "Tender for Steam-Engine."

TO BE SOLD, BY PRIVATE CONTRACT, a FREEHOLD FARMHOUSE, GARDEN, and FOUR CLOSES OF LAND, containing together 7a. 3s. 19r., with convenient outbuildings, situate at Frampton Cotterell, in Gloucestershire, about seven miles from Bristol, and two miles from Yate Station, on the Bristol and Gloucester Railway. The land contains iron ore of the best quality, which has been sampled and carefully assayed by Messry. Johnson and Matthey, of Hatton-garden, London, and, upon an average of samples taken from different parts of the land at a depth of 2½ fr., is certified to contain 60 per cent. of good pignon,—For further particulars, apply to Mr. Edward John Horton, solicitor in Purnival's Inn, London.

WESTMINSTER IMPROVEMENT BOND OF £500 TO BE SOLD FOR £390; incorporated by Act of Parliament, and payable in 1857, bearing interest at 5 per cent., payable half-yearly, the next payment 10th July Apply to Mr. Bnown, 2, Adams-court, Old Broad-street, City.

Apply to Mr. Shows, 2, Adams-court, did Broad-street, City.

TO BE LET, an extensive MINERAL PROPERTY in Donegal, ireLAND, containing several fine LEAD LODES.—For particulars, apply to Messrs. Barber and Bassett, mining engineers, Cardiff.

TO BE LET FOR A TERM OF YEARS, OR SOLD, a valuable TRACT, containing all the well-known velns of ANTHRACITE COAL and IRON MINE of the county of GLAMORGAN.—For further particulars, apply to V.D. E. F., "Fost-office, Neath.

DOTTE HILL MINE Nation is brooky eigen that a SPECIAL

DOTTLE HILL MINE.—Notice is hereby given, that a SPECIAL GENERAL MEETING of the adventurers in this mine will be HELD, at the office as below, on Thursday, the 4th day of May next, at One o'clock in the afternoon precisely, for the purpose of considering and agreeing to, or dissenting from, such alterations in the Cost-book Regulations as have been rendered necessary (and which alterations, and the circumstances rendering them necessary, will then be explained to the meeting), and also to consider particularly the alteration or re-nodelling of the 6th and 7th of the said Rejudations, for the purpose of giving to the committee of management of the said undertaking new and more complete powers to make and enforce calls for the purposes of the adventure on such shares as shall have been registered, and to declare all such shares forficied in case of non-payment of the calls thereon; and, further, that a GENERAL MEETING of the adventurers in the said unite will be HELD, at the place aforesaid, on the same day, after the above special general meeting on the ordinary business of the undertaking. G. KIECKHOEFER, Sec. 50, Threadneedle-street, London, April 18, 1854.

REAT CRINNIS COPPER MINE.—Notice is hereby given, that a GENERAL MEETING of the adventurers in the above mine will be HELD at the offices of the company, 26, Austinfriars, on Saturday, April 29, 1854, at Three o'clock, P. M., precisely.

By order of the Board,
Dated this 18th April, 1854, 26, Austinfriars.

REAT POLGOOTH.—A GENERAL MEETING of the share-holders in this mine will be HELD on Monday, the 24th inst., at One o'clock, at the London Tavern, Bishopsgate-street, to receive the Report of the Committee and quarterly account, and to take the opinion of the shareholders upon certain rules and regulations which were submitted at a general meeting held 17th January latt. WM. C. FOULKES, Seg. J.

NEW POLGOOTH AND WOODCLOSE.—A MEETING of the shareholders in this mine will be HELD as above, immediately after the termination of the business relating to Great Polgooth Mine, for the purpose of appropriating the few remaining unallotted shares, and for general business.

WM. C. FOULKES, S.

TAMAR MARIA MINE.—Notice is hereby given, that the QUAR-TERLY GENERAL MEETING of shareholders will be HELD at the George and Vulture, Cornbill, London, on Saturday, the 29th inst., at One o'clock precisely; and immediately after the ordinary business such meeting will be made 8PECIAL, to confirm or otherwise the forfeiture of certain serip shares which have been called in for exchange (the number of shares having been reduced from 10,600 to 7500); and upon the shares so deliverable in exchange a call of 2s. 6d, per share was made by resolutions passed at a special general meeting, held on the 10th January, and which resolution was confirmed at a like meeting, held on the 6th February last. The numbers of the shares upon which the said call is unpaid have been forfeited by the committee, and unless paid previously to the general meeting hereby convend, the forfeiture thereof will be submitted for confirmation.

Dated this 15th day of April, 1854. By order, HENRY PERRY, pro

WHEAL SAMSON.—Notice is hereby given, that the GENERAL at the offices of the company, 17, Cornhib, on FRIDAY, the 28th inst., at Twetve o'clock precisely, instead of Wednesday, the 26th inst., such being appointed as a general fast-day.

GALLT-Y-FFRITH-RHEDYN LEAD MINING COMPANY,
Is formed for the purpose of working the celebrated Old Firith-Rhedyn Mines,
situate about three miles from Llaurws, in the county of Denbighshire, North Wajes,
In 12,000 paid-up shares of \$3 each.—No further liability to be incurred.
The shares to be issued in critificate to bears or five shares each; no deed to sign for
need any person purchasing shares sign the Cost-book until the first dividend meeting.

BANKURS—The London and County Banking Company, Lombard-street.
The lease of this company's property, dated lat March, for 21 years, has been granted
to trustees. Parties who have subscribed, or are desirous of subscribing, for shares
are hereby requested to pay their respective amounts to the bankers of the company,
whose receipts they can exchange for scrip certificates to beaver, on presentation at
the company's offices, 9, Austinfriars, where prospectuses may be had, and samples
of the ore seen.—March 10, 1854.

LIEST REPORT—ENCLISH AND INICH HANDS.

of the ore seen.—March 10, 1854.

H. HUNTER, Sec.

MRST REPORT—ENGLISH AND IRISH MINES.—The undersigned having added to their general business the SALE and PURCHASE OF SHARES in public companies, have come to the determination, from the varied and conflicting reports giving to the public of progressive mines, to send, on their own account, a person of talent and experience in the practical working of mines, to examine into, and ascertain, as much as possible, the true and real state of each mine in England and Ireland, so that they may be able to give their friends and customers truthful information, and housest and bone first advice. Their agent has now made his first report, enabling the undersigned to understand the present state, as well as feature prospects, of almost every mine in England and Ireland. The undersigned will not, in any instance, accept of an order to buy or sell shares in any mine of which they have received a bad or doubtful report, or permit in their office the sale of shares in any project of a doubtful character.

The undersigned continue their usual business as COMMISSION AGENTS and BROKERS, and have ON SALE a good deal of MINING MACHINERY; they also BUY and SELL MINES, and all kinds of MINING MACHINERY; they also BUY and SELL MINES, and all kinds of MINERAL PROPERTY.

DICKSON, RUTHYEN, and CO., 4, Corbet-court, Gracechurch-street, London.

TREBURGET CONSOLS MINING COMPANY.
In 25,000 shares of £l each.
NOTICE.—The shareholders and public are hereby informed, that henceforth the
ONLY LEGITIMATE SCRIP CERTIFICATES OF SHARES in this company are
those ISSUED at ONE POUND each, and bearing the penny stamp, being signed by
two members of the Committee of Management, and countersigned by the secretary.
Offices, 9, Austinfriars, Dec., 1854.

By order, J. HUNTER, Sec.

AKE SUPERIOR COPPER MINES.—MR. JOHN
A. CALLENDER will start very shortly on his SECOND EXPEDITION TO
THE COPPER REGIONS OF LAKE SUPERIOR, for the purpose of INVESTING
EMITISH CAPITAL in mineral, agricultural, and other lands in Canada and the
States, under circumstances: so unusually advantageous and promising as to he well
worthy of consideration. Mr. Callender will also undertake to explore, inspect, and
report upon undeveloped mines or miseral property in any part of North America.
Prospectuses, and full information, may be obtained on application. Address, 13, Claremont Villas, Beisse-road, St. John's-wood; or apply, between the hours of Om and
Four, at 126, Bishopsgate-street.

FURTHER GOLD DISCOVERIES.

FURTHER GOLD DISCOVERIES.

THE CAPE OF GOOD HOPE AND NATAL COAL AND GENERAL MINING COMPANY.—Capital £60,600, in shares of £1 each. The Committee Offices,—No. 1, MOORGATE, LONDON.

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The Committee Offices,—No. 1, MOORGATE, LONDON.

The Committee Offices of GOOD HOPE and NATAL of both GOLD and COPPER.

Unallotted shares may still be obtained on application at the offices. It is computed that investments in this company will yield a dividend of more than 30 per cent.

By Order,—R. B. BEHENNA, Sec.

BRUCUTU GOLD MINING COMPANY.—By the Brazilian packet Sector, Capt. WM. TRELOAR has ARRIVED from RIO DE JANEIRO, having completed the examination he had been extracted during these operations of mere investigation, and he has forwarded from Southampton a very able and very satisfactory report of the Brucatu property, which is open for the inspection of shareholders bringing their shares, at the offices of the company. The Gongo and Cocaes formations, and a formation of its own, are to be found in the Brucatu estate, and in an entirely virgin state; and Capt. Treloar states "that in the extent opened in these formations rich groups of shoots of gold have been found, which are entire below water level."

St. Old Broad-street, April 17, 1834.

CLARENDON CONSOLIDATED MINING COMPANY OF

LARENDON CONSOLIDATED MINING COMPANY OF
JAMAICA.—Notice is hereby given, that the ADJOURNED FIRST ANNUAL
ENERAL MEETING of the CLARENDON CONSOLIDATED MINING COMANY OF JAMAICA will be HELD at the London Tavern, Bishopspate-street, in
ectivy of London, on Monday next, the 24th of April inst., at One o'clock precisely.
By order of the Board,
JOHN E. LOHR, Sec.

29, Moorgate-street, London, April 17, 1854.

AKE BATHURST AUSTRALASIAN GOLD MINING COMPANY.—The Committee of Investigation appointed by the shareholders bereby give notice to holders who have not registered their shares at the office of the undersigned, I., King's Arms-yard, Moorgate-street, London, that the REGISTER LIST will be CLOSED on SATURDAY, the 29th April inst. H. GUEDALL'9/

JET will be CLOSED on SATURDAY, the 29th April inst. II. GUEDALLAY.

UARTZ ROCK MARIPOSA GOLD MINING COMPANY.—
At the ANNUAL GENERAL MEETING of the company, held at the London avern this day, Alderman JOHN CARTER in the chair,

It was unanimously resolved:—
That the directors' report, and balance-sheet, with the auditors' report, now submitted, be received, approved, and adopted, and the proceedings confirmed.
That the directors be and are hereby empowered to issue and dispose of the 16,005 missued shares of the sompany's stock, giving the present holders of shares the option of taking same at par and pro rafa.
That Liest.—Col. Grant be and is hereby elected a director in the room of Alderman homas Farncomb, retiring by rotation.
That Louis Pocock, Esq., and Henry Cart, Esq., be and are hereby elected as autitors for the ensuing year; and that a sum of ten guiness each be paid to them for beir services in the past year.
That the cordial thanks of this meeting be given to the Board of Directors for the call, ability, candour, and homesty, with which they have carried on the affairs of be company.
That a vote of thanks be given to Alderman Carter for his able conduct in the chair.

ne company.

That a vote of thanks be given to Alderman Carter for his able conduct in the cheir.

By order, JAMES WADDELL, Sec.

26, Throgmorton-street, April 15, 1854.

QUARTZ ROCK MARIPOSA GOLD MINING COMPANY.—
ONTICE.—The shareholders are informed that, in pursuance of the resolution of the General Meeting of Shareholders, held at the London Tavern this day, the Directors have resolved to ISSUE the REMAINING SHARES of the company to the present holders, pro rata et par; and shareholders desirous of availing themselves of such option are requested immediately to deposit their scrip at the office of the company, 26, Throgmorton-street, City, when a letter of allotment for the payment of the amount of their proportion of new shares (being at the rate of 38 for every 100 original) will be delivered; and no scrip will be received after Monday, the 24th inst.

By order, JAMES WADDELL, Seg., 26, Throgmorton-street, April 15, 1854.

Ze, Throgmorton-street, April 15, 1854.

VEST GRANADA (OR VERAGUAS) GOLD AND SILVER MINING COMPANY.—The Directors beg to announce to the shareholders that, at a SPECIAL GENERAL MEETING held this day, pursuant to advertisement, the following resolutions were passed unanimously:—

1. That the report now read be received and adopted; and that the following gentlemen be appointed a committee, with full authority to carry out the recommendations contained in that report:—viz., Geo. T. Fraine, Esq., Geo. Clive, Esq., S. W. Daukes, Esq., Major Mayne, Jos. Thompson, Esq., Chas. Barber, Esq., Capt. Charretie, Fred. Mangles, Esq., Benj. Shaw, Esq., Geo. Tate, Esq.

2. That the thanks of this meeting be given to the committee appointed at the special general meeting of the shareholders, on the 29th ultimo, for their assistance to the shareholders and the directors:

3. That the thanks of this meeting be given to the chairman for his conduct in the chair, and to the directors generally for their astention to the interests of the conjuncy, and their cordial co-operation with the committee.

The following is an extract from the report referred to in the preceding resolution (No. 1):—

1. That it is expedient to establish a new company, with 108,500 shares of 25s, par.

any, and their cordial co-operation with the committee. The following is an extract from the report referred to in the preceding resolution (No. 1):—

1. That it is expedient to establish a new company, with 109,500 shares of 25s. per hare, and representing a capital of £136,875.

That such company take an assignment of the effects of the present company, disharying all its debts and liabilities not exceeding £7000.

That share and scripholders in the present company shall be entitled to an equal number of shares or scrip in the new company as they hold in the present company pool payment of 5s. per share-2s. 6d. per share to be paid on the 15th of May, and s. 6d. on the 15th of May, and s. 6d. on the 15th of Mayward ext. If the second instalment shall not be paid within 4 days after the latter date, such shares shall be absolutely forfeited.

2. That the taking over the debts and liabilities of the old company be contingent upon 80,000 shares being subscribed for, and the first instalment paid thereon.

3. That the company be provisionally registered. Bankers receipts to be given for he first instalment of 2s. 6d. per share, and scrip to be issued after the payment of the second instalment, in exchange for the oldscrip, such scrip to be credited with 25s. paid.

4. The shareholders, or scripholders, preferring to pay 5s. per share in one payment, shall be entitled to receive the new scrip in exchange for the old immediately he total amount of £25,000 is subscribed.

5. That power be given the directors, with the consent of two-thirds of the company to £155,500.

E. With recent of the company to the £20,000 residue of purchase money to the venders, contin-

ders, called specially for the purpose, to increase the capital of the company E155,500.

With regard to the £29,000 residue of purchase money to the venders, continuity upon the success of the company, the following modified arrangement be enset into with them:—That after the shareholders shall have received 10 per cent. share upon the full amount of capital, the venders and shareholders shall divide balance of profit arising from the mine in equal propertions, until the sum of 0,000 shall be liquidated.

That a special general meeting be convened, as early as the rules of the company and, for the purpose of carrying these arrangements into effect; and that instructs as be given to the solicitors of the company to take the necessary steps for the distinction and reconstruction of the company. Solicie is, therefore, hereby given, that all shareholders and scripholders who deto avail themselves of the above arrangements, are requested to send their scrip be offices of the company on or before the 15th day of May next, when the subption list for the 25s, shares in the new congany will be closed. The company of the board.

By order of the board.

W. L. WEBB, Sec. Diffices of the ADM of the ADM. The BOOR DEED.

the above notice.

By order of the board.

Offices of the Company, 11, New Bond-street, April 21, 1854.

W. I. E. A. L. P. R. O. S. P. E. T. E. T. A. V. Y. —In 6400 shares.

—In the Missing Journal of the 19th inst., the following special report on this mime appeared:—

"Wheat. Procepts.—Agreeably to your request, I have inspected this mineral property, and exceedingly promising to be productive both for tin and copper, if not for gold. The sett is very extensive, having the advantage of the junction of the killss and granite just in the misst of the set. All the Great Wheal Friendship lodes, as well as Wheal Jewel, and other lodes, pass through the whole length of Wheal Procept set; and my firm opinion is, that when they are properly developed in this beautiful mineral ground, near the junction of the granite, they will, some of them, if not all, prove to be exceedingly productive. I observed a large iron lode, bearing in a north and south direction, crossing all the lodes above named; no doubt good results will be found near the intersection. I should recommend you to have samples of this lode tested for gold, tin, and iron. When the railway is brought to Tavistock, I think this would pay you well to work for Iron alone; but as you have tens of thousands of tons of excellent peat in you set, close to hand, I cannot see why you cannot erect a small furnace, and run it into pig-iron on the spot: this would yay you well, as you would sell it to great advantage to the foundries in the neighbourhood of Tavistock and Plymouth, and no doubt the iron would be of excellent quality, by being smelted with peat instead of coals. I found the mean were sinking a shaft from the surface to the adit, and Capt. Michell informed me they could break it in when they get below the adit; this, I have every reason to believe, as I saw fine istensection of the iron lode before mentioned: by the bautiful ground, and the nature of the lode there seen, I have no doubt of good results at a shallow depth. You have as a did to the south of

N.B. A FEW HUNDRED SHARES to be DISPOSED OF in this highly promising mining enterprise UNDER PAR, in consequence of the owner leaving for Autralia. See list of mines in Mining Journal.—Application can be made to Mr. Guzzar, mining commission agent, 4. Corbet-court, Grace-turn-street, who has the plan of the estate, showing its connection with the Friendship lodes.

CAPITAL STEAM-ENGINE AND BOILER, UPON THE BALLYHICKEY MINE ENNIS, COUNTY CLARE, IRELAND.

ENNIS, COUNTY CLARE, IRELAND.

R. C. WARTON is directed to SELL, BY AUCTION, of the Mart, opposite the Bank of England, on Thursday, 27th of April, at Twelve, the capital SFEAM.ENGINE, of 30-in. cylinder, with double steam case, drain, nozale, and pipes complete, 6 fl. stroke, wrought-iron shaft, fly-wheel about 4 tons, 3 ft. crark, pumping gear, and a heavy hammer attached; also the WROUGHT-IRON BOILER, 24 ft. long, 5 ft. 9 in. diameter, and 3 ft. tube, about 7 tons, manufactured within a few months, at the Hayle Works, and it altogether a very fine machine for mining purposes, and which could now be obtained without considerable delay, may be seen upon application to Capt. J. Paut., on the sains, of whom particularly may be had. Particulars also at Macksen's Hotel, Dorset-street, Dublin; at the Mart, London; and of Mr. C. Warton, auctioner and estate agent, 38, Threadnerdie-st. SHARES IN SEVERAL PROMETENC REPORTS.

SHARES IN SEVERAL PROMISING BRITISH MINING OPERATIONS IN DEVON, CORNWALL, &c.

DEVON, CORNWALL, &c.

MR. C. WARTON is directed to SELL, BY AUCTION, a) the
established and promising BRITISH MINES, which are now in course of development with vigour, and all the sids of modern science; offering very improving investments for capital, especially in the present unnecessarily depressed state of the public markets, from which a re-action may be fairly expected. They comprise Treviskey and Barrier, Curryorth, Penbauger, Wheal Williams, Treburger, North Hingston, Crowndale Mines, &c.—Particulars may be had in due time at the Mart, London; Town Hall, Ture; and Mr. C. Warton, 38, Threadneedle-street.

VALUABLE MINING MATERIALS, STEAM PUMPING ENGINE, BOILER, Sc., together with the MINE SETTS, FOR SALE, in one or more lots as may be agreed on at the time of sale.

MESSRS. BELLRINGER AND BOYNS WILL SELI., BY PUBLIC AUCTION, on Thursday, the 27th day of April inst., at Eleven of clock in the forencom precisely, at WHEAL ENNIS, in the parish of St. Erne, near Truro, the whole of the valuable MINING MATERIALS, consisting of a 30 in. cylinder STEAM PUMPING ENGINE, 9 ft. stroke in the cylinder and 8 ft. in the shaft, an 8 tons boiler, balance bob, capitan, shears, and 9 in. capitan rope.

der STEAM PUMPING ENGINE, 9 ft. stroke in the splinder and 8 ft. in the shaft, an 8 tons bolier, balance bob, capstan, shears, and 9 in. capstan rope.

16 11 in. pumps, 9 ft. long.
1 11 in. pole-case, 9 ft. long.
1 10 in. working piece, 10 ft. long.
1 10 in. working piece, 10 ft. long.
1 10 in. working piece, 10 ft. long.
1 10 in. doorpiece, 3 ft. 6 in. long.
1 10 in. windbore, 3 ft. 6 in. long.
1 10 in. windbore, 3 ft. long.
2 doors and dead flange.
2 doors and dead flange.
3 in. doorpiece, 3 in. long.
3 tin. windbore, 4 ft. long.
3 in. doorpiece, 6 ft. long.
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3 tin. windbore, 9 ft. long.
3 tin. windbore, 9 ft. long.
5 tin. pumps, 9 ft. long.
6 tin. pumps, 9 f

FLINTSHIRE.—TO CAPITALISTS, MINING SPECULATORS, AND OTHERS SEEKING FOR SAFE AND PROFITABLE INVESTMENTS.

SEEKING FOR SAFE AND PROFITABLE INVESTMENTS.

MR. BELL respectfully announces that he has been favoured with instructions to SELL, BY PUBLIC AUCTION, on Thursday, the 27th day of April, 1834, at Two o'clock in the afternoon, on the premises, the SCORE SILVER, LEAD MINE; all the INTEREST in the LEASES thereof (at 1-12th royalty), nineteen years of which are unexpired, with the following MACHINERY—vis., one 26-inch oylinder STEAM PUMFING-ENGINE, with 6-ft. stroke; 67 yards of 5-inch piswork, complete; two horse-whims, kibhise, ladders, roads, &c., in short, the mine and materials in full course for work. Should the whole not be sold in one lot, the machinery and materials, or portions thereof, will be separately disposed of, or may be taken at a mutual valuation. This sale is determined upon in consequence of some of the partners having neglected to pay their calls. The mine is situate within five miles of Abergele Station, on the Chester and Holyhead Railway, three miles from the city of St. Asaph, and thirteen from Holyweil. It edjoins the well-known and productive Boddelwyddam Mine, and is within four miles of the great Talargoch Mine. The leases and plane of the mine are in the hands of the auctioneer, and may be inpected at his office, No. 11, Panton-place, Holywell, and for any information required as to its present condition and prospects, apply personally, or by letter, to Captain Absalom Francis, C.E., Halkin, near Holywell.

PEREMPTORY SALE OF STEAM-ENGINE, &c.

PEREMPTORY SALE OF STEAM-ENGINE, &c. PEREMPTORY SALE OF STEAM-ENGINE, &c.

M.R. GUMOE is instructed to SELL, BY AUCTION, without reserve, on Tuesday, the 2d of May next, at Three o'clock in the afternoon at the CORNUBIA UNITED MINES, in the parish of Roche, Cornwall, an excellen 64-inch cylinder STEAM-ENGINE, & feet stroke, equal beam, with a new 11 ton BOILER and FITTINGS, complete. The engine was manufactured by Mesers Mandalay and Field, London, and will be found on inspection equal in every respect to new.—For leave to view, apply to Mr. Joun Bond, on the mine; and for further particulars, to the auctioneer, at his offices, St. Austell.

Dated St. Austell, April 12, 1854.

SPARE MINE MATERIALS FOR SALE.

Further information may be obtained on application to Capt. Donts, on the mine and to the auctioneers, Messrs. Davis and Soy, Tavistock. The sale will commence at Two o'clock precisely.

UNRESERVED SALE OF MALLEABLE IRON, CAST METAL, TIMBER, &c. METAL TUBBING, PUMPS, WORKING BARBELS, &c. STEAM-ENGINES, RAILWAY PLATES and CHAIRS; SPEARS and PLATES; SHEARS and SHEAVES; being the entire NEW STOCK and PLANT employed in WINNING the NEW COLLIERY near WINGATE GRANGE, on the Hartlepool Railway, in the county of Durham.

the NEW COLLIERY near WINGATE GRANCE, on the Hartlepool Railway, in the county of Durham.

W. R. GEORGE HARDCASTLE is authorised by the owner to the NEW COLLIERY to SELL, BY PUBLIC AUCTION, without reserve, at the NEW COLLIERY WINNING aforesaid, or Monday and Tuesday, the 1st and 2d of May, 1854, the whole of the entirely new WORKHOR STOCK AND PLANT, consisting of 29-horse beam winding engine; 15-horse horizontal winding engine; 120 tone new metal tubbing; 66 tons 11-in. strong new pumps, working barrels, &c.; 180 fms. 18-in. pumps, with spears, &c., in complete working order; 20 tone new spear plates; 600 ft. new red pine spears; 2500 yards malleable iron rails, 42 lbs. to the yard; 1400 railway chairs, &c.; 35 cwts. tram plates, &c.; apear, bucket-door, and erab bolts; ground blocks and bottom rods, chains, alings, &c.; cert waggons, togics, and trams: fire lamps, sinkers' tools, cradies, and eradie bands; three jack gins, five crabs, frames; crab and gin-ropes, gin-harness; 5 cwts. old lead; aix barrels blasting powder, cartridges, &c.; old brass, brass buckets, and mudds; seven pairs shear legs, and pit pullay shears, large pulleys, &c.; cutket leathers, fish-head, spear-catcher, clark-falls and swords, backets and swords; railway weighing machine; scale boam, smales and weights; 4600 fire-briefs; a large quantity of valuable red and yellow gine, memel, elm, and oak squared timber; large Norway spars; ashlar freestone; new oak crab main pieces; five malleable from water and sand tubs; the entire contents of the office, and sinkers, smiths, and joiners' shops; warehouse, stable, &c. Together with a great variety of most valuable miscellaneous colliery winning stock, the whole of which must be disposed of at the present sale, without the slightest reservation.

The sale to commence each morning at Ten for Eleven. Lunchson for purchasers at Twelve; and sale resumed at One. Callalogues may be obtained on and after Wednesday, the 26th inst., upon application at the Stunderland Sale Offices.

Paragers:—Under 220,

summen of the York, Newcastle, and Berwick Railway.
Sunderland Sale Offices, April 11, 1854.

ARGUS PARTY.

ARGUS FOUNDRY, SAVILLE-STREET, WEST-END, LEEDS.

ARGUS FOUNDRY, SAVILLE-STREET, WEST-END, LEEDS.

IMPORTANT TO MILLWRIGHTS, ENGINEERS, IRON & BRASS POUNDERS, &c.

M. R. EDWARD RAISBECK begs most respectfully to announce that the featured with instructions from the seisurges of Mesers, Bleshburn and Skielel, to OFFER FOR UNRESERVED SALE BY AUCTION, on Taneday, Webmeday, and Tharrday, the 9th, 10th, and 11th days of May, 1854, at the Argus for the subject of the Sunday, and Tharrday, the 9th, 10th, and 11th days of May, 1854, at the Argus for the subject of the Sunday of the bisulphuret of earthon (the monster naimnes of as bernis the sunday, and Tharrday, the 9th, 10th, and 11th days of May, 1854, at the Argus for the sunday, and of the bisulphuret of earthon (the monster naimnes foundary, saville-street, West-end, Leeds, ALL the various FOUNDRY and ENGINEER.
ING TOOLS, and IMPLEMENTS, consisting of three powerful cranes, a large quantity of moulding boxes, of various sizes, hand and crane ladies, a quantity of new and old metal, and foundry tools of all descriptions, BOILER MAKES' AND SMITHS' TOOLS, including two punching and shearing machines, to just the sunday of moulding two punching and shearing machines, to just the sunday of the bisuminating power of tile gas is intrassed in propriate blocks, portable hearths, anylis, vices, beliows, &c.; together with various other yriticles connected with a large establishment.

THE KORINE HAIRS DEPARTMENT comprises two travelling portable gradients, and the sunday wheel makers' tools, askes and tyres, ready for use; single and backgrady wheel makers' tools, askes and tyres, ready for use; single and backgrady wheel makers' tools, askes and tyres, ready for use; single and backgrady wheel makers' tools, askes and tyres, ready for use; single and have a sunday wheel makers' tools, askes and tyres, ready for use; single and have a sunday wheel makers' tools, askes and tyres, ready for use; single and have a sunday wheel makers' tools, askes and tyres, ready for use; single and have a sunday to the sunday of the previou

THE GWYDIE SLATE AND SLAB WORKS, MIAS FFESTINIOG, MORTH WALL M. R. LEIFCHILD is instructed by the Proprietors to OFPER to above well-known, important, and highly-valuable MINERAL PROPERS for the offers a finer and naure certain investment for capital than many others in the most offers a finer and naure certain investment for capital than many others in the most property of the country of Countries in the property of the country of Countries in the most interest of the country of Countries in the working commence on the level of the road, in the south-eastern face of the same in the workings commence on the level of the road, in the south-eastern face of the same in the workings commence on the level of the road, in the south-eastern face of the same in the workings commence on the level of the road, in the south-eastern face of the same in the workings commence on the level of the road, in the south-eastern face of the same in the working and the height of the metal from the road is of it. The depth the grass" is inconsiderable. The state, which is bluich gray, and of the Moothed fluctuation of the well for working, as the joints, which are of great length, are at right and with the cleavage pleares. The buildings are all new, and are most cubranially with the cleavage pleares. The buildings are all new, and are most cubranially with the cleavage pleares. The buildings are all new, and are most cubranially with the cleavage pleares. The distribution of the distribution of the work of the work of the work of the same and the same and there is a large manufactory, containing it a saving and plantify tail or, with trans, from the quarry to the tables and fot the dressing sheds and bunk, the whole being work there is a large manufactory, and the best test of the quality of the slates and that it fact that they are recally sold as fast as they are manufactored, at the best leads pablity for making 50 tons per week, with a monthly increase of 10 to 15 tons and fact that they are readed to the claim and the slates. P WHITBY, YORKSHIRE.—PRELIMINARY ANNOUNCEMENT.

M. R. WHEATLEY KIRK is instructed to PREPARE FOR SAIR
for PREPARING and SPINNING PLAX, in the Mills in the Ropery at the Perst
Whitby, Yorkshire.—Pull particulars in future papers and catalogues, which is
being prepared; and any further information may be had at the offices of the
tioneer, 24, Princess-street, Manchester.

PLENDID CONDENSING BEAM ENGINE.—In the engine-house having to be pulled down immediately, ENGINE, which has a 35 in, cylinder, and 6 ft. 6 is, stroke, and unfacture of the far-famed Low Moor Ironworks Company, will GREAT BABGAIN.—Apply to WHEATLEY KIRK and CO., 2 Manchester.

TEW PONDEROUS PLATE BENDING MACHINE, will take it of feet.—WHEATLEY KIRK and CO., 24, Princess-street, Mambaser, who all kinds of engineers and machinists' tools, steam-engines, railway plant, &c., where the constantly on hand.

HIGHLY-FINISHED AND POWERFUL PLANING MACHINI will plane 18 ft. long, 3 ft. 10 in. wide, and 4 ft. 4 in. deep.—WHEATER ERK and CO., 24, Princess-street, Manchester.

TOW READY FOR DELIVERY, ONE each 8, 12, and 20-hers.
HIGH-PRESSURE HORIZONTAL ENGINES, admirably adapted for mink
or other purposes; all warranted.—WHEATLEY RIRK and CO., 24, Prings
street, Manchesser.

MERIONETHSHIRE, NORTH WALES.

I LANYMOWDDACH GOLD AND COPPER MINE TO DISPOSED OF, BY PRIVATE CONTRACT.—This raine is situate win mile and a hislf of the sea-port of Barmouth, adjoins the turnpike-road to being and the Mowddach navigable river, on the banks of which wharves may be so niently erected for the shipment of ore. The ground is intersected with rei quartz in sight on the surface along the whole length of the take, which composed in an analysis of the property of th

may also be obtained.

TO TIN SMELTERS, GOLD REDUCERS, ENGINERS BREWERS, 4c.—TO BE LET, for a term of seven, fourteen, or tweaty-sevens, with immediate possession, all those substantially-built and extensive credus situate in N. Austell-street, in the borough of Trure, and known as the "TRUE IN SMELTING WORKS," lately in the occupation of the Governor and Omner of Copper Miners of England, comprising the necessary BUILDINGS, OFFICE and FURNACES necessary for carrying on an extensive in smelting busines, to their slow with a commodious YARD and QUAY, immediately abutting on the resultable representation of the state of the

TO CONTRACTORS AND OTHERS.—APPOLD PUMP AND STEAM-ENGINE FOR SALE.—TO BE SOLD, a capital HIGH-FRESHIR STEAM-ENGINE, of 15-horse power, with two boilers, complete. Also, an APPOLD PUMP, capable of raising 2006 gallons of water per minute, with the driving mothers, as a state-led to the 15-horse engine. Also, an MLL for CRINDING MoEL. The whole are in good working condition, and are to be sold cheep, at the working on the properties of the properties and the properties are offen use for them.—The above may be seen at the New Harbour Works, Storebus, and Brighton; and price and particulars furnished upon application to Meser. Surface of the contract of the seen and particulars furnished upon application to Meser. Surface of the contract of the seen and the seen as the

TO MASONS, CARPENTERS, AND CARRIERS.-TO BE LET O MASONS, OARPENTERS, AND CARRIERS.—TO BE IL
BY TENDER, AS WHEAL SUSAN, in the parish of Sithney, convail
WALLS of an ENGINE-HOUSE, BOILER-HOUSE, AND STACK; also, SSHIRE
and CARPENTERS' SHOP. BURNING-HOUSE, STORE-HOUSE, COUNTS
HOUSE, YARDS, &c., to BUILD, at per perch; and also the CARPENTER' We
of the said buildings, and the CARRIAGE of STONE from the quantry. All saterials to be delivered on the spot at the expense of the mine, but the masons of
and prepare the mortar, &c. — For further particulars, application may be as
Messrs. Sits and Sow, engineers, Reducth; to Camborne; to whom traderies
sols Mines, near Heiston; or to Mr. DANIELL, of Camborne; to whom traderies
be addressed on or before the 6th day of May next.
Dated Wheal Sassan, Tin and Copper Mine, Sithney, April 15, 1854.

TO IRONFOUNDERS AND GASHOLDER MAKERS.—PARTE TO IRON FOUNDERS AND GASHOLDER MAKERS.—PARILY
desirous of CONTRACTING for the CONSTRUCTING and ERECTING of
GASHOLDER (single lift), on the premises of the WAKEFIELD GAS LIGHT
COMPANY, 100 feet diameter, and solf, it sin, deep, together with all the red COLUMNS, GUIDE RODS, GIRDERS, INDEED and OUTLET PIERS, SYROM, VALVES, PUMPS, &c., may inspect the plans, sections, and specification, and tain forms of tender, at the offices of Mr. Claphan, civil engiages and saving 24, Barstow-square, on and after Wednesday, the 18th April, and suffine the side of May, inclusive, by which best-named day, and not later than Twint in the afternoon, assled tenders, endorsed "Tender for Gasholder," must be stime at the said Mr. Claphan's offices. The lowest tender may or may not be screen; 34, Barstow-square, Wakefield, March 28, 1854.

ORIENTAL GAS COMPANY.—TO GAS ENGINEES—
The DIRECTORS of the ORIENTAL GAS COMPANY region to SIL
VICES of a GENTLEMAN of energy, ability, and practical experience. He make
competent to creet gas works, to undertake the management of all controvian
atterations, and repairs, and generally to superinteed the business of the county
Calcutts, under a committee.—Applications, stating full particulars of forms cape
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REDAN'S GOLD CRUSHING MACHINE.—Notice is hereby given, that the ORES LEFT at the WINDSOR IRONWORKS, CITY BOAD CRESSED OF THE STATE OF T

COLLYER'S GOLD ORE MACHINE is NOW BEING COLLYER'S GOLD ORE MACHINE IS NOW DANNIED OF THE COLLYER WITH DESCRIPTION OF THE COLD WALL GOLD WORKS, ROTHERHITHE, IS TRECTED at the COLONIAL GOLD WORKS, ROTHERHITHE, IS TRECTED at the COLONIAL GOLD WORKS, ROTHERHITHE, IS TRECTED OF THE COLD WITH THE CO

E CRUSHING.—CAUTION.—I hereby CAUTION all persons MANUFACTURING, USING, and SENDING, without special license from MCHNES for the purpose of CRUSHING, PULVERIZING, and AMALGA.

KG mineral and other substances, in which BALLS or SPHERES ARE USED INNECTION WITH, OR MOVED BY, A REVOLVING PLATE OR PLATES, as having been secured to me through, and in the name of, my sgent, C. J. ander various modifications, by Her Majesty's Letters Patent for England Colonies, dated June and December, 1852. Signed, J. W. COCHRANGE, RKES'S PATENTED MACHINERY FOR THE REDUCTION OF ORES, &c.—GOLD QUARTZ COMPANIES, MINING COMPANIES, and

RKES'S PATENTED MACHINERY FOR THE REDUCTION of OBES, &c.—GOLD QUARTZ COMPANIES, MINING COMPANIES, and REQUIRING MACHINERY FOR WORKING AURIFEROUS AND RESS, are respectfully informed that the PATENTED MACHINERY, into the underrigned, will operate upon more quarts per day, and at a less cost we, thus my other machines hitherto made, and which he guarantees will be orside every description of revolving or stationary pans with one or more busy within them, but which are also included in his patent; and that no one else ran have, raid patent for such apparatus in this country; and NOTICE is an have, raid patent for such apparatus in this country; and NOTICE is an have, raid patent for such apparatus in this country; and NOTICE is an analysis, and NOTICE is an analysis, and NOTICE is an analysis, and NOTICE is a such machines with the such that the such party using or Publications, but it is any party chooses to adopt such respans with balls for their operations, he will be happy to supply them at a cost exceeding £450 each.

SAMUEL FERKES, Engineer and Patents.

Albrook, City, Nov. 5, 1853.

DLD MACHINERY.—ORDERS can NOW be RECEIVED to any extent for PERKES'S PATENTED CONICAL ORE PULVERISING, ING. AND AMALGAMATING MACHINES; and also his PATENTED CYMG PANS AND BALLS, and whose machines have recently produced extraordinary results, beyond everything hitherto obtained from the same dim of ores by any other machines yet invented.—Particulars can be had and ates seen on application to S. Perkes, patentee, 1, Walbrook, London.

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Be gold of the million of S. Ferkes, patentee, 1, wastrook, London.

MCHANICAL AND CONSULTING ENGINEER, by which the following stoher DEFECTS in similar machines are AVOIDED:—viz., Large outlay refnous mercury, excessive wear and tear, and computery renewal, in lieuting, unportability, inefficiency, constant noise, little work, and self-destructabing balls. Waste of time, materials, and motive power, by either stamps runners, cones, or spheres in contact with flat or inclined surfaces, fracture and balls by fire, water, and concussion, inevitable loss of mercury, amalgam, hich are thrown off with the tailings at the periphery by centrifugal motion, esseed security against peculation, and costliness.—For description and prices. Mr. W. L. Tizard, at the manufactory, 34%, Aldgate High-street, Louising.

NDACL'S PATENT GOLD MACHINE, UPON THE PSTLE AND MORTAR PRINCIPLE.—This machine, from its extreme ty, casy working, and effectiveness, has been pronounced by eminent mining so, public companies, and numerous influential scientific gentlemen, to be the power will be enormous, although the public. In a large size machine the power will be enormous, although the power required for working the same crosedingly limited. Experiments are being tried daily, and from the evidency given of its utility, the proprietors confidently invite those interested goperations to give the machine a trial.

Inablines, capable of crushing about 3 cwts. per day, can be easily worked y; and as they can be taken to pieces, and packed in small compass (not extente, where every information may be obtained as to the cost of various achines, and the charges for experiments. Manufacturers of earthenware tesh, druggists, founders, and others, are invited to inspect the machine, admirably adapted to all grinding and pulverising purposes.

EMALL and CO., Engineers and Fatentees, 13, Broad-street-buildings, City.

LD AND SILVER ORE REDUCTION WORKS, RANELAGH

D AND SILVER ORE REDUCTION WORKS, RANELAGH LD AND SILVER ORE REDUCTION WORKS, RANELAGH BOAD, THAMES BANK, PIMLICO (Temporary Offices, 98, New Bondster all present applications are to be made).—G. BURSILL AND CO. Invite neteroof mines to 68ND to them for REDUCTION, by their PATENT PROMPLES of ORES that are assumed to be auriferous, and which should be when convenient, of more than 2 cwts. (carriage paid), after which they will are to enter into contracts for more extensive operations, either at their salver, or by the erection of suitable machinery at the pit's mouth, and at nest, provided that a sufficient supply of gold-bearing mineral may be read to the suitable of the suitable machinery at the pit's mouth, and at nest, provided that a sufficient supply of gold-bearing mineral may be read that a sufficient supply of gold-bearing mineral may be read to the subjected in-makey, or without preparation, to one and the same process; as far as may liest, they will be tested, qualitatively and quantitatively, for gold and other, in order that improved means may be applied for their reduction upon the items secured by G. Burrill and Co. embrace efficient and continuous means in a subject of the subject of t

speciations in relation to gold, silver, copper, lead, antimony, and tin.

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200 Eyam 494 Fowey 2240 Foxda	Mining Company, Derby y Consols (copper), Tywa ale, Isle of Man	yshire	30 25	39 7 3 1	10 0—Dec., 1853. 10 0—Aug., 1850. 0 0—April, 1854.	5000 Garreg (lead 2500 Georgia Con 12000 Gorn (lead),	i), Flint	6 % X 2	N X	1024 Trannaci 12000 Trannaci 1024 Trebarys
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1024 Gonar 25000 Great 13750 Great 119 Great	Onslow Consols, Camelfor Polgooth (tin), St. Aust	l (cop., lead) 2% , Wales 4% , ord 11% , led 3%	1% 14 %	0 7 6 0 0 2 0 0 0 10 0 0 166 10 0 5	2 0—June, 1852. 4 3—Oct., 1852. 0 0—Nov., 1853.	30000 Great Crinn 30000 Great Hews	Wh. Virtue, St. Col. £  ), Altarnum 1  (Craiging (lead)  Rhedyn (lead)  Rhedyn (lead)  Britis £  sols (tin), St. Ives  Lanidloes  (tin), St. Austeli 2  Consols (cop., tin)  reh, Merloneth  is (copper)  s United  Consols, Altarnum  Consols, Altarnum  doe, Warliggan		18 %	5000 Trelogga 5000 Trelowet 8000 Trenault 3100 Ditto
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16 Jumai	ica (lead), Mold, Flintshi	ire37, 130, 6d	23	380 00 5	1 0 Dank 1000	200000 Gt. Wh. Vol 1026 Gustavus M	tin, cop.), Heiston ines, Camborne81. 5	1 11d. 2		3200 Ty-Maer 4000 Tyn-y-V 10000 Tyn-y-b 5000 Ulpha U
7.88 16.1FEC	Building the control of the control	rkeudbright 9%	2	0 4 0 0	4 0—March, 1854. 5 0—Sept., 1853.	5000 Haytor Con	n (lead)	1 64		3000 Union (t 20000 Vale of 2000 West Ab
20 Laxey 2000 Lewis 160 Levar	y Mining Company, Isle of tin, copper), St. Erth at (copper, tin), St. Just	y, Ireland	236 2 256 98	******	9 0-Ang 1851	1500 Hennock (# 5000 Holne Moo 5000 Hope Valle	lver-lead) Hemook £ (tin), Ashburton . ((lead)	7 16 3 2 5 1 3	34	1024 West At 1024 West At 6000 West Ba
				0 10 0 0	2 6-May, 1853.	12000 Ivybridge ( 2048 Kea Trema; 6000 Keswick (le	silver-lead)	30 1¥	11%	2860 West Cr 256 West Da 1024 West Di
20000 Meril 20000 Minin 13000 Nanti	ng Co. of Ireland (copper lie Vale (slate), Llanliyii	333	15	0 2 6 0	10 6—Jan., 1854. 1 3—Nov., 1853. 0 0—April, 1854.	1698 Lamherooe 1024 La Min (co 252 Lanarth Co	Wheal Maria (cop.) 1 oper), Gwinear n. (cop.), Gwennap.	3%		25000 West Po 25000 West Po 200 West So 1056 West St
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500 Peak 160 Perra	Consols (copper), St. Blaz United (lead), North De an St. George (cop., tin).	rey 1½ rbyshire 7½ Perranzabuloe 21½ ghorne 30 15 Lelant 20½	15½ 15¾ 32½ 30 32	23 6 0 0 1 10 0 0 1 15 0 0 50 0 0 10	10 0 - Inly 1859	4000 Loveden Ur 20000 Ludgvan L	ited (lead), Cardigan case (tin), St. Ives	% %		512 West W 4000 West W 500 West W 1000 Wheal
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256 South 248 South 1024 Spear	n Tamar (silver-lead), Be h Tolgus (copper), Redru n Wheal Frances (copper		130 8 9	302 0 0 12 1 7 6 0 69 0 0 4 237 5 0 5 8 8 6 0 0 17 6 0 885 0 0 8	0.0—May, 1858. 0.0—March, 1858. 0.0—March, 1854.	5000 Nanteos an 3000 Nant-y-Car 1024 North Abra	d Penrhiw	116 18		1024 Wheal 1022 Wheal 1070 Wheal
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